# BRUHAT BENGALURU MAHANAGARA PALIKE

## TENDER DOCUMENT – KW4

**Name of the Work:**

# “Development of Mini Forest in the Concept of MIYAWAKI Forest in the open spaces in BBMP Limits”

## Cost of the work: Rs.400.00 Lakhs

**Office of the Deputy Conservator of Forests,**
**BBMP Head Office**
**Ground floor, Annex Building-3, N.R Square,**
**Bangalore – 560 002**

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# BRUHATH BENGALURU MAHANAGARA PALIKE

**Office of the Deputy Conservator of Forests, Ground Floor, Annex-3 building, Head Office, N. R .Square, Bengaluru– 560 002**

**Tender No:DCF/TENDER/08 /2024-25**
**Date:09.09.2024**

## INVITATION FOR SHORT TERM TENDER CALL-2

**(Tender Notification)**

**(Through GOK Karnataka Public Procurement Portal http://eproc.karnataka.gov.inonly)**

Tenders on item rate basis are invited by the undersigned for the work mentioned below from the registered contractors of Bruhath Bengaluru Mahanagara Palike or equivalent registration with CPWD / KPWD / Railways / MES or any State Government Organizations.

The Tender documents can be downloaded from the GOK **Karnataka Public Procurement Portal** Website **(https://kppp.karnataka.gov.in)** on payment of prescribed fee noted against each item of work (nonrefundable) in the form of e-Payment through KPPP Platform. The Tenderer should accompany a copy of the Valid Registration Certificate and shall be submitted through **Karnataka Public Procurement Portal**. (Standard Tender Bid Document)

| Sl. No | Name of the Work | Amt Put to Tender | EMD (in Rupees) | Stipulated Period of Completion | Eligibility of Contractor |
|---|---|---|---|---|---|
| 1 | **Development of Mini Forest in the concept of MIYAWAKI Forest in BBMP Limits** | **335.00** | 5,03,000/- | 11 months | **General** |

Tender Processing fee and EMD should be made in **Karnataka Public Procurement Portal** only

.**Note: Eligibility & Class of Contractors:**

1) Class IV - Upto Rs 25.00 Lakhs
2) Class III - Upto Rs 200.00 Lakhs
3) Class II - Upto Rs 500.00 Lakhs
4) Class I - Any amount

**Calendar of events:**

**1. Date of availability of Tender Documents : 10.09.2024.**

**2. Pre bid meeting: : 13.09.2024 at 15:00 hours(*Address)**

**3. Online Tender quarries : 13.09.2024 at 17.00 Hours**

**4. Last Date & Time for receipt of Tenders : 20.09.2024 up to 16:00 hours**

**4. Date of opening of Technical bid : 21.09.2024 at 16:30 hours**

**5. Date of opening of Financial bid : After approval of technical bid**

**Address***

Pre bid meeting will be held in the office of Deputy Conservator of Forests, Ground Floor, Annex 3 Building, BBMP head office, NR Square, Bangalore-560002.

**ESSENTIAL CONDITIONS:**

1. The Tender Notification along with Blank Tender Form will be accessible in the website of GOK KPP Portal **(https://kppp.karnataka.gov.in) website.**
2. Tender documents may be downloaded from Government of Karnataka Public Procurement Portal website **https://kppp.karnataka.gov.in** under login for Contractors. Aspiring Bidders/Contractors who have not registered in Karnataka Public Procurement Portal register before participating through the website https://eproc.karnataka.gov.in or contact Karnataka Public Procurement Portal Helpdesk at 080 – 22485867 / 22485927.
3. The contractors shall submit the digitally signed tenders electronically on or before the last date and time of submission of tender as published in the Karnataka Public Procurement Portal along with stipulated EMD notified in the tender document. Late tenders will not be accepted.
4. The Tender will remain valid for **90 Days** from the Date of Opening of Tender.
5. The Contractor is not eligible for submission of application for tender form if he has not put the tender after purchase of the tender document continuously for three times.
6. FSD will be refunded only after **1 Year** from date of completion of work and after inspection from competent authority.
7. Tenders must be accompanied by Earnest Money Deposit specified for the work as in the Table. Earnest Money Deposit will have to be in any one of the forms as specified in the Tender document and shall have to be valid for **90 days** beyond the validity of the tender.
8. The Tenderers are advised to note the minimum qualification criteria specified in clause 3 of the Instructions to Tenderers to qualify for award of the contract (Standard Tender Bid Document) also Tenderers are advised to go through the Standard Bid Documents.
9. Corrigendum/ modification/corrections, if any, will be published in the website only. For any clarification on KPPP or request for KPPP training, can be contacted on office of Deputy Conservator of Forests, BBMP, Ground Floor, Annex Building 03, Head Office Premises, N,R Square, Bangalore-560002 or office phone or KPPP helpdesk.
10. The Tender inviting authority reserves the right to accept/reject any or all tenders without assigning any reasons what so ever.

11. Successful Tenderer should deliver to the employer a security deposits equivalent 5% of the Contract price in form of DD / Bank Guarantee in favor of Chief Commissioner BBMP otherwise action will be initiated as per Standard Bid document clauses.
12. An additional security for unbalanced bids (difference amount) in the form of DD/ Bank Guarantee with work indent number is to be submitted in favor of Chief Commissioner BBMP, otherwise action will be initiated as per Standard Bid document clauses (Including for the reserved category)
13. The Tender Accepting Authority shall have the power to accept or to reject any tender without assigning any reason thereof.
14. GST shall be paid to the tendered amount separately
15. Black Listed Contractors / in Govt. / Quasi Govt. / Boards / BBMP etc., are not eligible to quote, if found such Tenders will be rejected.
16. All the participants should produce all the original documents for verification whenever necessary.
17. No Joint Venture / Consortium is permissible. Conditional Tenders will not be entertained and they are rejected.
18. Further particulars can be had from the office of the Deputy Conservator of Forests, BBMP during the working days between 10.00 A.M. to 5.30 P.M. in the above mentioned address.
19. In the event of the specified date of tender opening being declared a holiday for the tender inviting authority, the tenders will be opened the next immediate working day.

**Deputy Conservator of Forests**
**Bruhath Bengaluru Mahanagara Palike**

**Copy to:**

1. **Copy submitted to Personal Secretary of Chief Commissioner to bring to kind notice of Chief Commissioner, BBMP.**
2. **Copy submitted to the Special Commissioner (FECCM) for kind information.**
3. **Copy submitted to the Addl. Commissioner (Finance) & Tender bulletin officer, BBMP for requesting to publish the tender notification in tender bulletin.**
4. **Copy submitted to the Chief Engineer (Lakes) for kind information.**
5. **Copy submitted to Chief Auditor / Chief Account officer for kind information**
6. **Copy to Public Relationship Officer, BBMP with request to make arrangements for publication of notification in two leading daily Kannada and English Bangalore based Newspapers as the case may be within next two days & requested to communicate the same to this Office as early as possible.**
7. **Copy to Acct. Suptd / Cashier of Division office for necessary action.**
8. **Copy to IT Advisor with Soft copy for needful action to place in the BBMP website.**
9. **Notice Board / Office Copy**

**Deputy Conservator of Forests**

## SECTION-2:

## INSTRUCTIONS TO TENDERERS (ITT)

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# A. General

## 1. Scope of Tender

1.1 Office of Deputy Conservator of Forests, Ground Floor, BBMP head office, NR Square, Bangalore-560043. (Referred to as Employer in these documents) invites tenders following Two Cover tender procedure, from eligible Tenderers, for the construction of works (as defined in these documents and referred to as "the works") detailed in the Table given in the Invitation for Tenders (IFT). The Tenderers may submit tenders for any or all of the works detailed in the table given in IFT.

## 2. Eligible Tenderers

2.1 Tenderers shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by the Government of Karnataka / BBMP/Any Department in INDIA

2.2 **Tenders from Joint ventures are not acceptable.**

## 3. Qualification of the Tenderer:

3.1 All Tenderers shall provide the requested information accurately and in sufficient detail in Section 3: Qualification information.

3.2 To qualify for award of this contract, each Tenderer in its name should have in the last Five years

(a) Achieved in at least two financial years a minimum financial turnover (in all classes of civil engineering construction works only) of **Rs.670.00 Lakhs** (usually not less than two times the estimated annual payments under this contract)

(b) Satisfactorily completed, as prime contractor, for at least one similar work such as Nurseries, Horticulture and Green Spaces Development work of value not less than **Rs.168.00 Lakhs**

*(c)* executed in any one year, the following minimum quantities of work:[1]

| Description | Qty |
|---|---|
| a) Geophysical investigation at site for sinking borewells. | 3 No's. |
| b) Sinking of Borewell Upto 350m Depth. | 3 No's. |
| c) Earth Work Excavation | 5252.00 Cum |
| d) PCC/RCC Work | 280.00 Cum |
| e) TMT Steel | 1.12Ton |
| f) SSM Work | 183.00Cum |
| g) Ruled Pointing | 385 Sqm. |
| h) Chainlink Mesh fencing | 388 Sqm |
| i) Steel work in built up tubular trusses | 14326 Kg |
| j) M30 Concrete | 105 Cum |

(d) The Tenderer or his identified sub-contractor should possess required valid electrical license for executing building electrification works and should have executed similar electrical works totaling Rs. ..... *(usually not less than 50% of the electrical works)** in any one year;[2]

[1] Specify the principal items of works to be executed under this contract
[2] This is for building works. Appropriately change for other works.

(e) The Tenderer or his identified sub-contractor should possess valid license for executing water supply/sanitary engineering works and should have executed similar water supply/sanitary engineering works totaling Rs…… (*usually not less than 50% of the water supply/sanitary engineering works)** in any one year;[3]

3.3 Each Tenderer should further demonstrate:

(a) Availability by owning at least 50% of the required/specified key and critical equipment for this work and the remaining 50% can be deployed on lease / hire basis for all works provided the relevant documents (commitment agreements etc.) for availability for this work are furnished.

- Excavator – 1 No (own/Lease)
- Water Tanker 6000 Ltr Capacity – 1 No (Own/Lease)
- Concrete mixer- 1 No (Own/Lease)

(b) liquid assets and /or availability of credit facilities of not less than **Rs 100.50 Lakhs** (Credit lines/ letter of credit/certificates from banks for meeting the fund requirement etc. *(usually the equivalent of the estimated cash flow for three months in the peak construction period) **

3.4 To qualify for a package of contracts made up of this and other contracts for which tenders are invited in this IFT, the Tenderer must demonstrate having experience and resources to meet the aggregate of the qualifying criteria for the individual contracts.

3.5 Sub-contractors' experience and resources shall not be taken into account in determining the Tenderer's compliance with the qualifying criteria except to the extent stated in 3.2 (d) and (e) above.

3.6 Tenderers who meet the above specified minimum qualifying criteria, will only be qualified, if their available tender capacity is more than the total tender value. The available tender capacity will be calculated as under:

**Assessed available tender capacity = (A*N*1.5-B)**

Where

A = Maximum value of civil engineering works executed in any one year during the last five years *(updated to ———— [4] price level)* taking into account the completed as well as works in progress.

N = Number of years prescribed for completion of the works for which tenders are invited.

B = Value, at ———— [5]price level, of existing commitments and on-going works to be completed during the next…….years *(period of completion of the works for which Tenders are invited) **

***Note:*** *The statements showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Employer in charge, not below the rank of an Executive Engineer or equivalent.*

3.7 Even though the Tenderers meet the above criteria, they are subject to be disqualified if they have:

- made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or
- Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.; and/or
- participated in the previous Tender for the same work and had quoted unreasonably high tender prices and could not furnish rational justification.

4. **One Tender per Tenderer:**

[3] This is for building works. Appropriately change for other works.
[4] FY in which the tenders are invited.
[5] FY in which the tenders are invited

4.1 Each tenderer shall submit only one tender for one package. A tenderer who submits or participates in more than one Tender (other than as a sub-contractor or in cases of alternatives that have been permitted or requested) will cause all the proposals with the Tenderer's participation to be disqualified.

**5. Cost of Tendering:**

5.1 The tenderer shall bear all costs associated with the preparation and submission of his tender, and the Employer will in no case be responsible and liable for those costs.

**6. Site visit:**

6.1 The Tenderer at his own responsibility and risk is encouraged to visit and examine the Site of Works and its surroundings and obtain all information that may be necessary for preparing the Tender and entering into a contract for construction of the Works. The cost of visiting the Site shall be at the Tenderer's own expense.

## B. Tender documents

**7. Content of Tender documents**

7.1 The set of tender documents shall have all the Sections given in Page 2:
7.2 Both the sets should be completed and returned with the tender.

**8. Clarification of Tender Documents**

8.1 A prospective tenderer requiring any clarification of the tender documents may notify the Employer in writing or by cable (hereinafter "cable" includes telex and facsimile) at the Employer's address indicated in the invitation to tender. The Employer will respond to any request for clarification which he receives earlier than 15 days prior to the deadline for submission of tenders. Copies of the Employer's response will be forwarded to all purchasers of the tender documents, including a description of the enquiry but without identifying its source.

8.2 **Pre-tender meeting:**

8.2.1 The tenderer or his authorized representative is invited to attend a pre-tender meeting **which will take place at of the Deputy Conservator of Forests, BBMP on 15-07-2024 at 15.00 hours.**
8.2.2 The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage
8.2.3 The tenderer is requested to submit any questions in writing or by cable to reach the Employer not later than one week before the meeting.
8.2.4 Minutes of the meeting, including the text of the questions raised (without identifying the source of enquiry) and the responses given will be transmitted without delay to all purchasers of the tender documents. Any modification of the tender documents listed in Sub-Clause 7.1 which may become necessary as a result of the pre-tender meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to Clause 9 and not through the minutes of the pre-tender meeting.
8.2.5 Non-attendance at the pre-tender meeting will not be a cause for disqualification of a tenderer.

**9. Amendment of Tender documents**

9.1 Before the deadline for submission of tenders, the Employer may modify the tender documents by issuing addenda.
9.2 Any addendum thus issued shall be part of the tender documents and shall be communicated in writing or by cable to all the purchasers of the tender documents.

9.3 To give prospective Tenderers reasonable time in which to take an addendum into account in preparing their tenders, the Employer shall extend as necessary the deadline for submission of tenders, in accordance with Sub-Clause 16.2 below.

## C. Preparation of Tenders

### 10. Documents comprising the Tender

10.1 The tender submitted by the Tenderer shall be in two covers and shall contain the documents as follows:

**10.1.1 First Cover:**

(a) Qualification Information as per formats given in Section 3;

10.1.2 **Second Cover:**

(a) The Tender (in the format indicated in Section 4)
(b) Priced Bill of Quantities (Section 9);

and any other materials required to be completed and submitted by Tenderers in accordance with these instructions. The documents listed under Sections 3, 4, 6 and 9 shall be filled in without exception.

10.1.3 Tenderers submitting tenders together with other contracts stated in the IFT to form a package will so indicate in the tender together with any discounts offered for the award of more than one contract.

### 11. Tender prices

11.1 The contract shall be for the whole works as described in Sub-Clause 1.1, based on the priced Bill of Quantities submitted by the Tenderer.

11.2 The Tenderer shall fill in rates and prices and line-item total (both in figures and words) for all items of the Works described in the Bill of Quantities along with total tender price (both in figures and words). **Items for which no rate or price is entered by the Tenderer will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities**. Corrections, if any, shall be made by crossing out, initialing, dating and rewriting.

11.3 All duties, taxes, and other levies payable by the contractor under the contract, or for any other cause, shall be included in the rates, prices and total Tender Price submitted by the Tenderer.

11.4 The rates and prices quoted by the Tenderer shall be subject to adjustment during the performance of the Contract in accordance with the provisions of Clause of the Conditions of Contract

**11.5 GST shall be paid to the tendered amount separately**

### 12. Tender validity

12.1 Tenders shall remain valid for a period not less than 90 days after the deadline date for tender submission specified in Clause 16. A tender valid for a shorter period shall be rejected by the Employer as non-responsive.

12.2 In exceptional circumstances, prior to expiry of the original time limit, the Employer may request that the Tenderers may extend the period of validity for a specified additional period. The request and the Tenderers' responses shall be made in writing or by cable. A Tenderer may refuse the request without forfeiting his earnest money deposit. A Tenderer agreeing to the request will not be required or permitted to modify his tender, but will be required to extend the validity of his earnest money deposit for a period of the extension, and in compliance with Clause 13 in all respects.

### 13. Earnest money deposit

13.1 The supplier/contractor can pay the earnest money deposit(EMD) in the e-Procuremnt portal using any of the following payment modes.

1. Credit card
2. Direct debit
3. National electronic fund transfer(NEFT)

The contractor shall furnish the requisite EMD fully through e-payments

13.2 NA
13.3 NA
13.4 NA
13.5 NA
13.6 NA

**14. Format and signing of Tender**

14.1 deleted
14.2 deleted
14.3 deleted

## D. Submission of Tenders

**15. No Tenderers will be accepted physically.**

**16. Deadline for submission of the Tenders**

16.1 Tenders must be received by the Employer by E-procurement only as mentioned in
16.2 The Employer may extend the deadline for submission of tenders by issuing an amendment in accordance with Clause 9, in which case all rights and obligations of the Employer and the Tenderers previously subject to the original deadline will then be subject to the new deadline.

## E. Tender opening and evaluation

**19. Opening of First Cover of all Tenders and evaluation to determine qualified Tenderers:**

19.1 The Employer will open the First Covers of all the Tenders received (except those received late or withdrawn), including modifications for First Cover made pursuant to Clause 18, in the presence of the Tenderers or their representatives who choose to attend at 4.00pm. hours on the date and the place specified in Clause 16. In the event of the specified date of Tender opening being declared a holiday for the Employer, the Tenders will be opened at the appointed time and location on the next working day.
19.2 The Tenderers names, the presence or absence of earnest money deposit (amount, format and validity), the submission of qualification information and such other information as the Employer may consider appropriate will be announced by the Employer at the opening. Late and withdrawn Tenders will be returned unopened to tenders.
19.3 The Employer shall prepare minutes of the Tender opening, including the information disclosed to those present in accordance with Sub-Clause 19.3.
19.4 The Employer will evaluate and determine whether each tender (a) meets the eligibility criteria defined in ITT Clause 2; (b) is accompanied by the required earnest money deposit as per stipulations in ITT Clause and (c) meets the minimum qualification criteria stipulated in ITT Clause 3. The Employer will draw out a list of qualified Tenderers.[6]

**20. Opening of Second Cover of qualified Tenderers and evaluation:**

20.1 The Employer will inform all the Qualified Tenderers the time, date and venue fixed for the opening of the Second Cover containing the priced Tenders. The Employer will open the

[6] The evaluation of the technical aspects contained in the first cover should be completed within a reasonable period and the time gap between the opening of the first and second cover should be the minimum and in any case not more than 45 days {In exceptional cases, approval of the Secretary to the Government of the concerned Department/Managing Director of the Corporation shall be obtained, where the period is more than 45 days but less than 60 days. If it exceeds 60 days the tenders shall be reinvited.

Second Covers of Qualified Tenderers at the appointed time and date in the presence of the Tenders or their representatives who choose to attend. In the event of the specified date of Second Cover opening being declared a holiday for the Employer, the Second Covers will be opened at the appointed time and location on the next working day.

20.4 The Employer shall prepare minutes of the Second Cover Tender opening, including the information disclosed to those present in accordance with Sub-Clause 20.3.

**21. Process to be confidential**

21.1 Information relating to the examination, clarification, evaluation, and comparison of Tenders and recommendations for the award of a contract shall not be disclosed to Tenderers or any other persons not officially concerned with such process until the award to the successful Tenderer has been announced. Any effort by a Tenderer to influence the Employer's processing of Tenders or award decisions may result in the rejection of his Tender.

**22 Clarification of Tenders**

22.1 To assist in the examination, evaluation, and comparison of Tenders, the Employer may, at his discretion, ask any Tenderer for clarification of his Tender, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the Tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the Tenders in accordance with Clause 24.

22.2 Subject to sub-clause 22.1, no Tenderer shall contact the Employer on any matter relating to its Tender from the time of the Tender opening to the time the contract is awarded. If the Tenderer wishes to bring additional information to the notice of the Employer, it should do so in writing.

22.3 Any effort by the Tenderer to influence the Employer in the Employer’s Tender evaluation, Tender comparison or contract award decisions may result in the rejection of the Tenderers’ Tender.

**23. Examination of Tenders and determination of responsiveness**

23.1 Prior to the detailed evaluation of Tenders, the Employer will determine whether each Tender; (a) has been properly signed; and; (b) is substantially responsive to the requirements of the Tender documents.

23.2 A substantially responsive Tender is one which conforms to all the terms, conditions, and specifications of the Tender documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the Works; (b) which limits in any substantial way, inconsistent with the Tender documents, the Employer's rights or the Tenderer's obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other Tenderers presenting substantially responsive Tenders.

23.3 If a Tender is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.

**24. Correction of errors**

24.1 Tenders determined to be substantially responsive will be checked by the Employer for any arithmetic errors. Errors will be corrected by the Employer as follows:

(a) where there is a discrepancy between the rates in figures and in words, the lower of the two will govern[7]; and

(b) where there is a discrepancy between the unit rate and the line-item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern.

24.2 The amount stated in the Tender will be adjusted by the Employer in accordance with the above procedure for the correction of errors and, with the concurrence of the Tenderer, shall be considered as binding upon the Tenderer. If the Tenderer does not accept the corrected amount the Tender will be rejected, and the earnest money deposit may be forfeited in accordance with Sub-Clause 13.6 (b).

**25. Evaluation and comparison of Tenders**

[7] Clause 25(2) of Chapter VI of KTPP Rules 2000 states that “ in case of discrepancy between the price quoted in words and figures, the lower of the two shall be considered”.

25.1 The Employer will evaluate and compare only the Tenders determined to be substantially responsive in accordance with Clause 23.

25.2 In evaluating the Tenders, the Employer will determine for each Tender the evaluated Tender Price by adjusting the Tender Price as follows:
(a) making any correction for errors pursuant to Clause 24; and
(b) making appropriate adjustments to reflect discounts or other price modifications offered in accordance with Sub Clause 18.5.

25.3 The Employer reserves the right to accept or reject any variation, deviation, or alternative offer. Variations, deviations, and alternative offers and other factors which are in excess of the requirements of the Tender documents or otherwise result in unsolicited benefits for the Employer shall not be taken into account in Tender evaluation.

25.4 The estimated effect of the price adjustment conditions under Clause 41 of the Conditions of Contract, during the implementation of the Contract, will not be taken into account in tender Evaluation

25.5 If the tender of the successful tenderer is seriously unbalanced in relation to the Employer's estimate of the cost of the work to be performed under the contract, the Employer may require the Tenderer to produce detailed price analyses for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the Employer may require that the amount of the performance security set forth in Clause 29 be increased at the expense of the successful Tenderer to a level sufficient to protect the Employer against financial loss in the event of default of the successful tenderer under the contract.

## F. Award of Contract

### 26. Award criteria

26.1 Subject to Clause 27, the Employer will award the Contract to the Tenderer whose Tender has been determined to be substantially responsive to the Tender documents and who has offered the lowest evaluated Tender Price, provided that such Tenderer has been determined to be (a) eligible in accordance with the provisions of Clause 2, and (b) qualified in accordance with the provisions of Clause 3.

### 27. Employer's right to accept any Tender and to reject any or all Tenders

27.1 Notwithstanding Clause 26, the Employer reserves the right to accept or reject any Tender, and to cancel the Tender process and reject all Tenders, at any time prior to the award of Contract, without thereby incurring any liability to the affected Tenderer or Tenderers or any obligation to inform the affected Tenderer or Tenderers of the grounds for the Employer's action.

### 28. Notification of award and signing of Agreement

28.1 The Tenderer whose Tender has been accepted will be notified of the award by the Employer prior to expiration of the Tender validity period by cable, telex, e-mail or facsimile confirmed by registered letter. This letter (hereinafter and in the *Conditions of Contract* called the "Letter of Acceptance") will state the sum that the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").

28.2 The notification of award will constitute the formation of the Contract, subject only to the furnishing of Security deposit in accordance with the provisions of Clause 29.

28.3 The Agreement will incorporate all agreements between the Employer and the successful Tenderer. It will be kept ready for signature of the successful Tenderer in the office of Employer within 30 days following the notification of award along with the Letter of Acceptance. Within 7 days of receipt, the successful Tenderer will sign the Agreement and deliver it to the Employer.

28.4 Upon the furnishing by the successful Tenderer of the Performance Security, the Employer will promptly notify the other Tenderers that their Tenders have been unsuccessful.

**29. Security deposit**

29.1 Within 20 days of receipt of the Letter of Acceptance, the successful Tenderer shall deliver to the Employer a Security deposit in any of the forms given below for an amount equivalent to 5**%** of the Contract price plus additional security for unbalanced tenders in accordance with Clause 25.5 of ITT and Clause 44 of the Conditions of Contract. For all works and shall also be provided by the successful tenderer in the form of

- Banker's cheque/Demand draft, /Pay Order in favor of Chief Commissioner BBMP payable at. BENGALURU or
- A bank guarantee in the form given in Section 10; or
- Specified Small Savings Instruments pledged to Chief Commissioner / Executive Engineer (Lakes_East), BBMP.

29.2 If the security deposit is provided by the successful Tenderer in the form of a Bank Guarantee, it shall be issued either by a Nationalized/Scheduled bank.

29.3 The security deposit if furnished in demand draft can, if requested, be converted to interest bearing securities at the cost of the contractor.

29.4 Failure of the successful Tenderer to comply with the requirements of Sub-Clause 29.1 shall constitute sufficient grounds for cancellation of the award and forfeiture of the Earnest money deposit.

**30 Advance Payment and Security:**

30.1 The Employer will provide an advance payment on the contract price as stipulated in the Conditions of Contract, subject to the maximum amount as stated in the Contract Data.

**However, No Advance Payment and No Mobilization Payment is paid in this contract**

**31. Corrupt or Fraudulent practices**

31.1 The BBMP requires that the Tenderers/Suppliers/Contractors, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, BBMP

(a) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

(b) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a BBMP contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a BBMP contract.

31.2 Furthermore, Tenderers shall be aware of the provision stated in sub-clause 50.2 of the Conditions of Contract.

## SECTION-3 :

## QUALIFICATION INFORMATION

The information to be filled in by the Tenderer here under will be used for purposes of computing Tender capacity as provided for in Clause 3 of the Instructions to Tenderers. This information will not be incorporated in the Contract.

1.1 Constitution or legal status of Tenderer [Attach copy]

Place of Registration _____
(Attach Copy)

Principal place of business: _____

1.2 Total value of civil engineering construction 2018-19.....
Works executed and payments received in the last five years 2019-20 .....
(In Rs. Lakhs) Attach Certificate from Chartered Accountant 2020-21 .....
2021-22 .....
2022-23 ..... _

1.3 Work performed as Prime Contractor (in the same name) on works of similar nature over during the five years specified in 1.2 above.

| Project Name | Name of Employer | Description of Work | Contract Number | Value of Contract Rs. Lakhs | Date of issue of work order | Specified period of completion | Actual date of commencement | Remarks explaining reasons for delay in completion of work |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | | | | | | | | |

1.4 Quantities of work executed as prime contractor (in the same name) during the last five years specified in 1.2 above:

| Year | Name of Work | Name of Employer | Quantity of work performed (cum)[8] | | | Remarks (Indicate contract reference) |
|---|---|---|---|---|---|---|
| | | | Cement Concrete | Masonry | Earthworks | |
| 2018-19 | | | | | | |
| 2019-20 | | | | | | |
| 2020-21 | | | | | | |
| 2021-22 | | | | | | |
| 2022-23 | | | | | | |

1.4 Information on works for which Tenders have been submitted and works which are yet to be completed as on the date of this Tender.

[8] Items of work for which data is requested should tally with that specified in ITT Clause 3

(A) Existing commitments and on-going works:

| Description of Work | Place & State | Contract No. & Date | Name And Address of Employer | Value of Contract (Rs. lakhs) | Stipulated period of completion | Value of works remaining to be completed (Rs. lakhs) Attach Certificates from Engineers –in- Charge | Anticipated date of completion |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | | |

(B) Works for which Tenders already submitted:

| Description of Work | Place & State | Name and Address of Employer | Estimated value of works (Rs. lakhs) | Stipulated period of completion | Date when decision is expected | Remarks if any |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | | | | | |

1.6. The following items of equipment are considered essential for successfully carrying out the works. The Tenderer should furnish all the information listed below.

| Item / Equipment | Requirement[9] | | Owned | Owned and available | | |
|---|---|---|---|---|---|---|
| | No. | Capacity | | Number/ Capacity | Age/ condition | Remarks |
| | | | | | | |

1.7 Reports on the financial standing of the tenderer, such as profit and loss statements and auditor's reports for the last five years;

1.8 Qualification and experience of the key technical and management personnel in permanent employment with the tenderer and those that are proposed to be deployed on this contract, if awarded.

1.9. Name, address, and telephone, telex, and fax numbers of the Tenderers' bankers who may provide references if contacted by the Employer.

1.10 Evidence of access to financial resources to meet the qualification requirement specified in ITT Clause3.3 (b): Cash in hand, Letter of Credit etc. List them below and attach certificate from the Banker in the suggested format as under:

[9] The item of equipment, required number and capacity should match with those specified in ITT Clause 3.3 (a)

**BANKER'S CERTIFICATE**

This is to certify that M/s. ..... is a reputed company with a good financial standing. If the contract for this work, namely ..... (name of the work) is awarded to the above firm, we shall be able to provide overdraft/credit facilities to the extent of Rs. ..... to meet the working capital requirements for executing the above contract

Name of the Bank, Senior Bank Manger with Signature
Address:.....

1.11 Proposals for subcontracting components of works amounting to more than 20% of the contract price.

| Item of Work | Value of Sub-Contract | Identified Sub-Contractor (Name and address) | Experience of similar work (Attach certificates from the respective Employers.) |
|---|---|---|---|
| 1 | 2 | 3 | 4 |

1.12 Information on litigations in which the Tenderer is involved:

| Other Party (ies) | Employer | Details of dispute | Amount involved | Remarks showing present status |
|---|---|---|---|---|
| | | | | |

1.13 The proposed methodology and program of construction, backed with equipment planning and deployment, duly supported with broad calculations and quality control procedures proposed to be adopted, justifying their capability of execution and completion of the work as per technical specifications within the stipulated period of completion as per milestones.

## SECTION-4:

## FORMS OF TENDER, LETTER OF ACEPTANCE, NOTICE TO PROCEED WITH THE WORK AND AGREEMENT FORM

### Form of Tender

Description of the Works: ……
……
(To be filled in by the Employer before issue of the Tender document)

**Tender**

To : ……

Address ……
……
(To be filled in by the Employer before issue of the Tender document )

GENTLEMEN,

We offer to execute the Works described above in accordance with the Conditions of Contract accompanying this Tender for the Contract Price of ……. *[in figures] (*……) *[in letters].*[10]

This Tender and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any tender you receive.

The advance payment required is Rs……

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

We hereby confirm that this Tender complies with the Tender validity and Earnest money deposit required by the Tender documents.

We attach herewith our current income-tax clearance certificate.

Yours faithfully,

[10] To be filled in by the Tenderer, together with his particulars and date of submission at the bottom of the Form of Tender

Authorized Signature:

Name & Title of Signatory: _____

Name of Tenderer _____

Address: ----------
---

## Letter of Acceptance

(letter head paper of the Employer)

.....[date]

To:

.....

..... [name and address of the Contractor]

Dear Sir,

This is to notify you that your Tender dated ..... for execution of the ..... ..... *[name of the contract and identification number, as given in the Instructions to Tenderers]* for the Contract Price of Rupees ..... (.....) [amount in words and figures], as corrected and modified in accordance with the Instructions to Tenderers is hereby accepted by our Agency.

You are hereby requested to furnish Security deposit plus additional security for unbalanced tenders in terms of Clause 25.5 of ITT, in the form detailed in Clause-29.1 of ITT for an amount of Rs..... within 7 days of the receipt of this letter of acceptance valid up to 7 days from the date of expiry of Defects Liability Period i.e. up to ..... and sign the contract, failing which action as stated in Para 29.4 of ITT will be taken.

Yours faithfully,

Authorized Signature

Name and Title of Signatory

Name of Agency

## Issue of Notice to proceed with the work

(Letterhead of the Employer)

.....(date)

To

.....
.....
..... (name and address of the Contractor)

Dear Sirs:

Pursuant to your furnishing the requisite security deposit as stipulated in ITT Clause 29.1 and signing of the contract agreement for the construction of ..... (name of the work) a Tender Price of Rs..... , you are hereby instructed to proceed with the execution of the said works in accordance with the contract documents.

Yours faithfully,

(Signature, name and title of signatory
authorized to sign on behalf of Employer)

## Agreement Form

**Agreement**

This agreement, made the ..... day of .....2024, between.....
..... [name and address of Employer] (hereinafter called "the Employer") of the one part and .....
.....[name and address of contractor] (hereinafter called "the Contractor") of the other part.

Whereas the Employer is desirous that the Contractor execute
.....
.....
.....[ name and identification number of Contract] (hereinafter called "the Works") and the Employer has accepted the Tender by the Contractor for the execution and completion of such Works and the remedying of any defects therein at a contract price of Rupees.....

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying the defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
4. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:

    i) Letter of Acceptance;
    ii) Notice to proceed with the works;
    iii) Contractor's Tender;
    iv) Contract Data;

v) Conditions of contract (including Special Conditions of Contract);
vi) Specifications;
vii) Drawings;
viii) Bill of Quantities; and
ix) Any other document listed in the Contract Data as forming part of the contract.

In witness whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

The Common Seal of .....
.....
was hereunto affixed in the presence of:
Signed, Sealed and Delivered by the said
.....
.....
in the presence of:
Binding Signature of Employer
Binding Signature of Contractor

## SECTION-5:
## CONDITIONS OF CONTRACT

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# Conditions of Contract

## A. General

### 1. Definitions

1.1 Terms which are defined in the Contract Data are not also defined in the Conditions of Contract but keep their defined meanings. Bold letters are used to identify defined terms.

**Bill of Quantities** means the priced and completed Bill of Quantities forming part of the Tender.
**Compensation events** are those defined in Clause 38 hereunder.
The **Completion Date** is the date of completion of the Works as certified by the Employer in accordance with Sub Clause 46.1.
The **Contract** is the contract between the Employer and the Contractor to execute, complete and maintain the Works. It consists of the documents listed in Clause 2.2 below.
The **Contract Data** defines the documents and other information which comprise the Contract.
The **Contractor** is a person or corporate body whose Tender to carry out the Works has been accepted by the Employer.
The **Contractor's Tender** is the completed Tender document submitted by the Contractor to the Employer.
The **Contract price** is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.
**Days** are calendar days; **months** are calendar months.

A **Defect** is any part of the Works not completed in accordance with the Contract.
The **Defects liability period** is the period named in the Contract Data and calculated from the Completion Date.
The **Employer** is the party who will employ the Contractor to carry out the Works.
**Equipment** is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works.
The **Initial Contract price** is the Contract Price listed in the Employer's Letter of Acceptance.
The **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised only by the Employer by issuing an extension of time.
**Materials** are all supplies, including consumables, used by the contractor for incorporation in the Works.
**Plant** is any integral part of the Works which is to have a mechanical, electrical, electronic or chemical or biological function.
The **Site** is the area defined as such in the Contract Data.
**Specification** means the Specification of the Works included in the Contract and any modification or addition made or approved by the Employer.
The **Start Date** is given in the Contract Data. It is the date when the Contractor shall commence execution of the works. It does not necessarily coincide with any of the Site Possession Dates.
A **Subcontractor** is a person or corporate body who has a Contract with the Contractor to carry out a part of the work in the Contract which includes work on the Site.
A **Variation** is an instruction given by the Employer which varies the Works.
The **Works** are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the Contract Data.

**2. Interpretation**

2.1 In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Employer will provide instructions clarifying queries about the Conditions of Contract.

2.2 The documents forming the Contract shall be interpreted in the following order of priority:

(1) Agreement
(2) Letter of Acceptance, notice to proceed with the works
(3) Contractor’s Tender
(4) Contract Data
(5) Conditions of Contract
(6) Specifications
(7) Drawings
(8) Bill of quantities and
(9) any other document listed in the Contract Data as forming part of the Contract.

**3. Law governing contract**

3.1 The law governing the Contract is the Laws of India supplanted by the Karnataka Local Acts.

**4. Employer's decisions**

4.1 Except where otherwise specifically stated, the Employer will decide contractual matters between the Employer and the Contractor.

**5. Delegation**

5.1 The Employer may delegate any of his duties and responsibilities to other people after notifying the Contractor and may cancel any delegation after notifying the Contractor.

## 6. Communications

6.1 Communications between parties which are referred to in the conditions are effective only when in writing. A notice shall be effective only when it is delivered (in terms of Indian Contract Act).

## 7. Subcontracting (Deleted)

7.1 Deleted.

## 8. Other Contractors

8.1 The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Employer.

## 9. Personnel

9.1 The Contractor shall employ the technical personnel (of number and qualifications) as may be stipulated by GOK from time to time during the execution of the work. The technical staff so employed shall be available at site as may be stipulated by the Employer.

9.2 If the Employer asks the Contractor to remove a person who is a member of the Contractor's staff or his work force stating the reasons, the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.

## 10. Employer's and Contractor's risks

10.1 The Employer carries the risks which this Contract states are Employer's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.

## 11. Employer's risks

11.1 The Employer is responsible for the excepted risks which are:

(a) rebellion, riot commotion or disorder unless solely restricted to employees of the Contractor or his Sub-Contractors arising from the conduct of the Works; or
(b) a cause due solely to the design of the Works, other than the Contractor's design; or
(c) any operation of the forces of nature (in so far as it occurs on the Site) which an experienced contractor:
    (i) could not have reasonably foreseen; or
    (ii) could reasonably have foreseen, but against which he could not reasonably have taken at least one of the following measures;
        (A) prevent loss or damage to physical property from occurring by taking appropriate measures or
        (B) insure against such loss or damage

## 12. Contractor's risks

12.1 All risks of loss of or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks are the responsibility of the Contractor.

## 13. Insurance:

13.1 The Contractor shall prior to commencing the works, effect and thereafter maintain insurances, in the joint names of the Employer and the Contractor, (cover from the first working day after the Start Date to the end of Defects Liability Period), in the amounts stated in the Contract Data:

(a) for loss of or damage to the Works, Plants and Materials and the Contractor's equipment;

(b) for liability of both Parties for loss, damage, death and injury to third parties or their property arising out of the Contractor's performance of the Contract including the Contractor's liability for damage to the Employer's property other than the Works and
(c) for liability of both Parties and of any Employer's representative for death and injury to the Contractor's personnel except to the extent that liability arises from the negligence of the Employer, any Employer's representative or their Employees.

13.2 Policies and certificates for insurance shall be delivered by the Contractor to the Employer for his approval before the Start Date. All such insurance shall provide for compensation to be payable to rectify the loss or damage incurred. All payments received from insurers relating to loss or damage shall be held jointly by the Parties and used for the repair of the loss or damage or as compensation for loss or damage that is not to be repaired.

13.3 If the Contractor fails to effect or keep in force any of the insurances referred to in the previous sub-clauses or fails to provide satisfactory evidence, policies or receipts, the Employer may without prejudice to any other right or remedy, effect insurance for the cover relevant to such default and pay the premiums due and recover the same as a deduction from any other monies due to the Contractor. If no payments is due, the payment of the premiums shall be a debt due.

13.4 Alterations to the terms of an insurance shall not be made without the approval of the Employer.

13.5 Both Parties shall comply with any conditions of the insurance policies.

**14. Site Investigation Reports:**

14.1 The Contractor, in preparing the tender, shall rely on any site investigation reports referred to in the Contract data, supplemented by any information available to the Tenderer.

**15. Queries about the Contract Data**

15.1 The Employer will clarify queries on the Contract Data.

**16. Contractor to construct the Works**

16.1 The Contractor shall construct the Works in accordance with the Specification and Drawings.

**17. The Works to be completed by the Intended Completion Date**

17.1 The Contractor may commence execution of the Works on the Start Date and shall carry out the Works in accordance with the program submitted by the Contractor, as updated with the approval of the Employer, and complete them by the Intended Completion Date.

**18. Approval by the Employer:**

18.1 The Contractor shall submit Specification and drawings showing the proposed Temporary Works to the Employer, who is to approve them if they comply with the Specifications and Drawings.

18.2 The Contractor shall be responsible for the design of Temporary Works

18.3 The Employer's approval shall not alter the Contractor's responsibility for design of the Temporary Works.

18.4 The Contractor shall obtain approval of consultants, to the design of temporary Works where required.

18.5 All Drawings prepared by the Contractor for the execution of the temporary or permanent Works, are subject to prior approval by the Employer before their use.

18.6 The contractor shall also submit the necessary test reports at his own cost for the civil materials and Items Executed in site as prescribed and approved by consultants and Employer

18.7 The contractor shall prepare and submit RA BILLS duly checked and approved by consultants to the employer

18.8 The contractor shall provide a site office for the convenience of employer and consultants

18.9 The contractor shall submit all the AS BUILD drawings during and at the time of completion or else will be liable of fine up to 5 lakhs

**19. Safety**

19.1 The Contractor shall be responsible for the safety of all activities on the Site.

**20. Discoveries**

20..1 Anything of historical or other interest or of significant value unexpectedly discovered on the Site is the property of the Employer. The Contractor is to notify the Employer of such discoveries and carry out the Employer's instructions for dealing with them.

**21. Possession of the Site**

21.1 The Employer shall give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date stated in the Contract Data the Employer is deemed to have delayed the start of the relevant activities and this will be Compensation Event.

**22. Access to the Site**

22.1 The Contractor shall allow the Employer and any person authorized by the Employer access to the Site, to any place where work in connection with the Contract is being carried out or is intended to be carried out and to any place where materials or plant are being manufactured / fabricated / assembled for the works.

**23. Instructions**

23.1 The Contractor shall carry out all instructions of the Employer which comply with the applicable laws where the Site is located.

**24. Procedure for resolution of Disputes:**

24.1 If the Contractor is not satisfied with the decision taken by the Employer, the dispute shall be referred by either party to Arbitration within 30 days of the notification of the Employer’s decision.

24.2 If neither party refers the dispute to Arbitration within the above 30 days, the Employer’s decision will be final and binding.

24.3 The Arbitration shall be conducted in accordance with the arbitration procedure stated in the Special Conditions of Contract.

**B. Time Control**

**25. Program**

25.1 Within the time stated in the Contract Data the Contractor shall submit to the Employer for approval a Program showing the general methods, arrangements, order, and timing for all the activities in the Works.

25.2 The Employer's approval of the Program shall not alter the Contractor's obligations. The Contractor may revise the Program and submit it to the Employer again at any time. A revised Program is to show the effect of Variations and Compensation Events.

**26. Extension of the Intended Completion Date**

26.1 The Employer shall extend the Intended Completion Date if a Compensation Event occurs or a Variation is issued which makes it impossible for Completion to be achieved by the Intended Completion Date.

26.2 The Employer shall decide whether and by how much to extend the Intended Completion Date within 21 days of the Contractor asking the Employer for a decision upon the effect of a Compensation Event or Variation and submitting full supporting information.

**27. Delays ordered by the Employer**

27.1 The Employer may instruct the Contractor to delay the start or progress of any activity within the Works.

**28. Management meetings**

28.1 The Employer may require the Contractor to attend a management meeting. The business of a management meeting shall be to review the progress achieved and the plans for remaining work.

28.2 The responsibility of the parties for actions to be taken is to be decided by the Employer either at the management meeting or after the management meeting and stated in writing to be distributed to all who attended the meeting.

## C. Quality Control

**29. Identifying defects**

29.1 The Employer shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities. The Employer may instruct the Contractor to search for a Defect and to uncover and test any work that the Employer considers may have a Defect

**30. Tests**

30.1 If the Employer instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples.

**31. Correction of defects**

31.1 The Employer shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion and is defined in the Contract Data. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.

31.2 Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Employer’s notice.

**32. Uncorrected defects**

32.1 If the Contractor has not corrected a Defect within the time specified in the Employer’s notice, the Employer will assess the cost of having the Defect corrected, and the Contractor will pay this amount.

## D. Cost Control

**33. Bill of Quantities (BOQ)**

33.1 The BOQ shall contain items for the construction, installation, testing, and commissioning work to be done by the Contractor.

33.2 The BOQ is used to calculate the Contract Price. The Contractor is paid for the quantity of the work done at the rate in the BOQ for each item

**34. Variations**

34.1 The Employer shall have power to order the Contractor to do any or all of the following as considered necessary or advisable during the progress of the work by him

(a) Increase or decrease of any item of work included in the Bill of Quantities (BOQ);
(b) Omit any item of work;
(c) Change the character or quality or kind of any item of work;
(d) Change the levels, lines, positions and dimensions of any part of the work;
(e) Execute additional items of work of any kind necessary for the completion of the works; and
(f) Change in any specified sequence, methods or timing of construction of any part of the work.

34.2 The Contractor shall be bound to carry out the work in accordance with any instructions in this connection, which may be given to him in writing by the Employer and such alteration shall not vitiate or invalidate the contract.

34.3 Variations shall not be made by the Contractor without an order in writing by the Employer, provided that no order in writing shall be required for increase or decrease in the

quantity of an item appearing in the BOQ so long as the work executed conforms to the approved drawings.

34.4 The Contractor shall promptly request in writing to the Employer to confirm verbal orders and the officer issuing oral instructions shall confirm it in writing within 30 days, failing which the work shall be carried out as though there is no variation. In case variation is approved it shall be accompanied by BOQ, failing which the contractor shall be responsible for deviation if any. Further, approval of Govt. / BBMP has to be obtained for the variation exceeding 5%.

**35. Payments for Variations**

35.1 Payment for increase in the quantities of an item in the BOQ up to 25% of that provided in the Bill of Quantities shall be made at the rates quoted by the Contractor.

35.2 For quantities in excess of 125% of the tendered quantity of an item as given in the BOQ, the Contractor shall be paid at the rate entered in or derived from in the Schedule of Rates (applicable for the area of the work and current at the time of award of contract) plus or minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract.

35.3 If there is no rate for the additional, substituted or altered item of the work in the BOQ, efforts would be made to derive the rates from those given in the BOQ or the Schedule of Rates (applicable for the area of the work and current at the time of award of contract) and if found feasible the payment would be made at the derived rate for the item plus or minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract

35.4 If the rates for additional, substituted or altered item of work cannot be determined either as at 35.1 or 35.2 or 35.3 above, the Contractor shall be requested to submit his quotation for the items supported by analysis of the rate or rates claimed, within 7 days.

35.5 If the Contractor's quotation is determined unreasonable, the Employer may order the Variation and make a change to the Contract Price which shall be based on Employer’s own forecast of the effects of the Variation on the Contractor's costs.

35.6 If the Employer decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, no quotation shall be given and the Variation shall be treated as a Compensation Event.

35.7 Under no circumstances the Contractor shall suspend the work on the plea of non-settlement of rates for items falling under this Clause.

**36. Submission of bills for payment**

36.1 The Contractor shall submit to the Employer monthly bills duly signed by consultants for the value of the work completed less the cumulative amount paid previously.

36.2 The Employer shall check the Contractor's bill and determine the value of the work executed which shall comprise of (i) value of the quantities of the items in the BOQ completed and (ii) valuation of Variations and Compensation Events.

36.3 The Employer may exclude any item paid in a previous bill or reduce the proportion of any item previously paid in the light of later information.

**37. Payments**

37.1 Payments shall be adjusted for deductions for advance payments other than recoveries in terms of contract and taxes, at source, as applicable under the law. The Employer shall pay the after of submission of bill. The contractor shall be liable to pay liquidated damages for shortfall in progress. For progress beyond the agreed program me payment is subject to availability of the grants.

37.2 Items of the Works for which no rate or price has been entered in will not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.

**38. Compensation events**

38.1 The following are Compensation events unless they are caused by the Contractor:

(a) The Employer does not give access to a part of the Site by the Site Possession Date stated in the Contract Data.

(b) The Employer orders a delay or does not issue drawings, specifications or instructions required for execution of works on time.
(c) The Employer instructs the Contractor to uncover or to carry out additional tests upon work which is then found to have no Defects.
(d) The Employer gives an instruction for dealing with an unforeseen condition, caused by the Employer, or additional work required for safety or other reasons.
(e) The effect on the Contractor of any of the Employer's Risks.
(f) The Employer unreasonably delays issuing a Certificate of Completion.
(g) Other Compensation Events listed in the Contract Data or mentioned in the Contract.

38.2 If a Compensation Event would cause additional cost or would prevent the work being completed before the Intended Completion Date, the Contract Price shall be increased and/or the Intended Completion Date is extended. The Employer shall decide whether and by how much the Contract Price shall be increased and whether and by how much the Intended Completion Date shall be extended.

38.3 As soon as information demonstrating the effect of each Compensation event upon the Contractor's forecast cost has been provided by the Contractor, it is to be assessed by the Employer and the Contract Price shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Employer shall adjust the Contract Price based on Employer's own forecast. The Employer will assume that the Contractor will react competently and promptly to the event.

38.4 The Contractor shall not be entitled to compensation to the extent that the Employer's interests are adversely affected by the Contractor not having given early warning or not having cooperated with the Employer.

**39. Tax:**

39.1 **The rates quoted by the Contractor shall be deemed to be Exclusive of the GST Charges and inclusive of other taxes that the Contractor will have to pay for the performance of this Contract. The Employer will perform such duties in regard to the deduction of such taxes at source as per applicable law.**

**40. Price Adjustment: DELETED**

**41. Liquidated damages**

41.1 The Contractor shall pay liquidated damages to the Employer at the rate per day stated in the Contract Data for each day that the Completion Date is later than the Intended Completion Date (for the whole of the works or the milestone as stated in the Contract Data). The total amount of liquidated damages shall not exceed the amount defined in the Contract Data. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages does not affect the Contractor's liabilities.

41.2 If the Intended Completion Date is extended after liquidated damages have been paid, the Employer shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment of bill.

**42. Advance Payments: Deleted**

42.1 The Employer shall make payment to the Contractor of the amounts stated in the Contract Data by the date stated in the Contract Data, against provision by the Contractor of an unconditional bank guarantee in a form acceptable to the Employer issued by a Nationalized/Scheduled Bank in amounts equal to the advance payment. The guarantee shall remain effective until the advance payment has been repaid, but the amount of the guarantee shall be progressively reduced by the amounts repaid by the Contractor. Interest will not be charged on the advance payment.

42.2 The Contractor is to use the advance payment only to pay for Mobilization expenses required specifically for execution of the Works. The Contractor shall demonstrate that advance payment has been used in this way by supplying copies of invoices or other documents to the Employer.

42.3 The advance payment shall be repaid by deducting proportionate amounts from payments otherwise due to the Contractor, following the schedule of completed percentages of the Works on a payment basis. No account shall be taken of the advance payment or its

repayment in assessing valuation of the work done, variations, price adjustments, compensation events or liquidated damages.

**43. Securities:**

43.1 The Security deposit (including additional security for unbalanced tenders) shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and type of instrument acceptable to the Employer. The Security deposit shall be valid until a date 30 days from the date of expiry of Defects Liability Period and the additional security for unbalanced tenders shall be valid until a date 30 days from the date of issue of the certificate of completion.

**44. Cost of Repairs:**

44.1 Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects Correction periods shall be remedied by the Contractor at the Contractor's cost if the loss or damage arises from the Contractor's acts or omissions.

## E. Finishing the Contract

**45. Completion**

45.1 The Contractor shall request the Employer to issue a Certificate of Completion of the Works and the Employer will do so upon deciding that the Work is completed.

**46. Taking over**

46.1 The Employer shall take over the Site and the Works within seven days of issuing a certificate of Completion.

**47. Final account**

47.1 The Contractor shall supply to the Employer a detailed account of the total amount that the Contractor considers payable under the Contract before the end of the Defects Liability Period. The Employer shall issue a Defect Liability Certificate and certify any final payment that is due to the Contractor within 90 days of receiving the Contractor's account if it is correct and complete. If it is not, the Employer shall issue within 90 days a schedule that states the scope of the corrections or additions that are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the Employer shall decide on the amount payable to the Contractor and make payment within 60 days of receiving the Contractor’s revised account.

**48. As built drawings and /or Operating and Maintenance Manuals**

48.1 If “as built” (Completion *drawings*) Drawings and/or operating and maintenance manuals are required, the Contractor shall supply them by the dates stated in the Contract Data.

48.2 If the Contractor does not supply the Drawings by the dates stated in the Contract Data, or they do not receive the Employer’s approval, the Employer shall withhold the amount stated in the Contract Data from payments due to the Contractor.

**49. Termination**

49.1 The Employer may terminate the Contract if the other party causes a fundamental breach of the Contract.

49.2 Fundamental breaches of Contract include, but shall not be limited to the following:

(a) the Contractor stops work for 45 days when no stoppage of work is shown on the current Program and the stoppage has not been authorized by the Employer;
(b) Deleted.
(c) The Contractor becomes bankrupt or goes into liquidation other than for a reconstruction or amalgamation;
(d) Deleted.

(e) the Employer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Employer;
(f) The Contractor does not maintain a security which is required;
(g) the Contractor has delayed the completion of works by the number of days for which the maximum amount of liquidated damages can be paid as defined in the Contract data; and
(h) If the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices in competing for or in the executing the Contract.
For the purpose of this paragraph: "corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution. "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition."

49.3 When either party to the Contract gives notice of a breach of contract to the Employer for a cause other than those listed under Sub Clause 49.2 above, the Employer shall decide whether the breach is fundamental or not.
49.4 Notwithstanding the above, the Employer may terminate the Contract for convenience.
49.5 If the Contract is terminated the Contractor shall stop work immediately, make the Site safe and secure and leave the Site as soon as reasonably possible.

**50. Payment upon Termination**

50.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Employer shall prepare bill for the value of the work done less advance payments received up to the date of the bill, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law and less the percentage to apply to the work not completed as indicated in the Contract Data. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor the difference shall be a debt payable to the Employer.

50.2 If the Contract is terminated at the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Employer shall prepare bill for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works and less advance payments received up to the date of the certificate, less other recoveries due in terms of the contract, and less taxes due to be deducted at source as per applicable law and make payment accordingly.

**51. Property**

51.1 All materials on the Site, Plant, Equipment, Temporary Works and Works are deemed to be the property of the Employer, if the Contract is terminated because of a contractor's default.

**52. Release from performance**

52.1 If the Contract is frustrated by any event entirely outside the control of either the Employer or the Contractor the Employer shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which commitment was made

## F. Special Conditions of Contract

**1. Labour:**

The Contractor shall, unless otherwise provided in the Contract, make his own arrangements for the engagement of all staff and labour, local or other, and for their payment, housing, feeding and transport.

The Contractor shall, if required by the Employer, deliver to the Employer a return in detail, in such form and at such intervals as the Employer may prescribe, showing the staff and the numbers of the several classes of labour from time to time employed by the Contractor on the Site and such other information as the Employer may require.

**2. Compliance with labour regulations**:

During continuance of the contract, the Contractor shall abide at all times by all existing labour enactments and rules made there under, regulations, notifications and bye laws of the State or Central Government or local authority and any other labour law (including rules), regulations, bye laws that may be passed or notification that may be issued under any labour law in future either by the State or the Central Government or the local authority. The Contractor shall keep the Employer indemnified in case any action is taken against the Employer by the competent authority on account of contravention of any of the provisions of any Act or rules made there under, regulations or notifications including amendments. If the Employer is caused to pay or reimburse, such amounts as may be necessary to cause or observe, or for non-observance of the provisions stipulated in the notifications/bye laws/Acts/Rules/regulations including amendments, if any, on the part of the Contractor, Employer shall have the right to deduct any money due to the Contractor including his amount of security deposit. The Employer shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer.

The employees of the Contractor in no case shall be treated as the employees of the Employer at any point of time.

**3. Protection of Environment:**

The contractor shall take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation. During continuance of the contract, the contractor shall abide at all times by all existing enactments on environmental protection and rules made there under, regulations, notifications and bye-laws of the State or Central Government, or local authorities and any other law, bye-law, regulations that may be passed or notification that may be issued in this respect in future by the State or Central Government or the local authority.

**4. Arbitration (Clause 24)**

4.1 The procedure for arbitration shall be as follows:

(a) In case of dispute or difference arising between the Employer and the Contractor relating to any matter arising out of or connected with this agreement it shall be settled in accordance with the Arbitration and Conciliation Act 1996. The disputes or differences shall be referred to a Sole Arbitrator. The Sole Arbitrator shall be appointed by agreement between the parties; failing such agreement, by the Appointing Authority (any one of the Organizations as per list enclosed in Annexure)
(b) Arbitration proceedings shall be held at....., Karnataka state (to be filled in by the Employer before issue of the Tender Documents),
(c) The cost and expenses of arbitration proceedings will be paid as determined by the Arbitrator. However, the expenses incurred by each party in connection with the preparation, presentation, etc., shall be borne by each party itself.
(d) Performance under the contract shall continue during the arbitration proceedings and payments due the Contractor by the Employer shall not be withheld, unless they are the subject matter of the arbitration proceedings.

**5.** In the case of the death of a Contractor after executing the agreement / commencement of the work, his legal heir, if an eligible registered Contractor and willing can execute and complete the work at the accepted tender rates irrespective of the cost of the work.

**6.** The Contractor shall produce invoice for procurement of Bitumen along with work bills. No payments will be made without such invoices.

**7.** Mix Designs for Concrete and Asphalt work shall be got approved by Chief Engineer before commencement of Work.

**8.** The Contractor shall execute the work in minimum two shifts (Day & Night) for speedy completion of work and to minimize inconvenience to public.

9. The Contractor should have his own laboratory facilities for Quality Control / Quality Assurance of the whole work.

*[ Add other Clauses specific to the work for which tenders are invited.]*

**Annexure:**

**LIST OF ORGANIZATIONS WHO ARE CONSIDERED AS APPOINTING AUTHORITY FOR APPOINTMENT OF ARBITRATORS[11]**

1. Indian Council of Arbitration, New Delhi;
2. International Centre for Alternative Disputes Resolution (India);
3. Indian Roads Congress;
4. Indian Building Congress;
5. Indian Institute of Bridge Engineers;
6. Indian Institute of Public Health Engineers;
7. Institute of Water Works

[11] Add any other Organization considered suitable.

## SECTION-6:

## CONTRACT DATA

**Items marked "N/A" do not apply in this Contract.**

The following documents are also part of the Contract:
**Clause Reference**

- The Schedule of Operating and Maintenance Manuals [48]
- The Methodology and Program of Construction [25]
- Site Investigation Reports [14]
- The Schedule of Key and Critical Equipment to be deployed on the work, as per agreed program of construction. [25]

The Employer is:

Name: **The Deputy Conservator of Forests, BBMP** [1.1]

Address: Office of the Deputy Conservator of Forests, BBMP,
Ground Floor, Annex 3 building, N.R. Square, Bengaluru -560002

Name of authorized Representative:
The name and identification number of the Contract is
_____
[insert name and number as indicated in the Invitation for Tenders]. [1.1]

The Works consist of Balance and other improvement works at kacharakanahalli lake and Enhancing storage capacity (desilting) and other works at Ulsoor lake"(Package-2)

[brief summary, including relationship to other contracts under the Project].

The start date shall be the date of issue of notice to proceed with the work. [1.

The Intended Completion Date for the whole of the Works is 09 months [12]with the following milestones [17, 26]

Milestone dates:
Physical works to be completed Period from the date of issue of Notice to proceed with the work

[12] At the time of preparation of the tender document give the period required for completion of whole work and the milestones. When the Agreement is drawn after award of contract the dates can be put in.

Milestone 1 i.e 3 months
Milestone 2 i.e.3 months
Milestone 3 i.e.3 months
Milestone 4 i.e.2 months

The Site Possession Date is:[13] work order issued date [21]

The Site is located at Bangalore city
and is defined in drawings nos. _____
_____

The Defects Liability Period is 1 years from the date of completion of Work/Project [31]

Insurance requirements are as under: [13]

| | Type of Cover | Minimum cover for Insurance[14] |
|---|---|---|
| (i) | Works and of Plant and materials | The sum stated in the Agreement plus 20% |
| (ii) | Loss or damage to equipment | Full replacement cost |
| (iii) | Loss or damage to property of Third Party | Full replacement cost |
| (iv) | Personal injury or death insurance (a) for Third Party | |
| | (b) for Contractor's employees or labour | In accordance with the statutory requirements applicable to Karnataka |

Price Adjustment Formula;[15] if Applicable [40]
R= Value of work as defined in Clause 40.1 of Conditions of Contract.

Adjustment for labour component:

(i) Price adjustment for increase or decrease in the cost due to labour shall be paid in accordance with the following formula:

$V_L = 0.85 \times P_L / 100 \times R \times (L_i - L_o) / L_o$ Where,

$V_L$ = Increase or decrease in the cost of work during the quarter under consideration due to changes in rates for local labour;
$L_o$ = The average consumer price index[16] for industrial workers for BENGALURU Centre for the quarter preceding the date of opening of tenders as published by the Labour Bureau, Ministry of Labour, Government of India;
$L_i$ = The average consumer price index for industrial workers for BENGALURU Centre for the quarter under consideration as published by Labour Bureau, Ministry of Labour, Government of India
$P_L$ = Percentage of labour component of the work

Adjustment for Cement Component:

(ii) Price adjustment for increase or decrease in the cost of cement component procured by the contractor shall be paid in accordance with the following formula.

[13] At the time of preparation of the tender document give the period after the issue of work order, when the site would be made available to the contractor, for example 'one week after the issue of work order'
[14] Employer to specify as per requirement. Exclusions if any should also be specified.
[15] The Formula has some normal components. It should be changed if need be to suit the nature of the work.
[16] The Index numbers are available in the web site *http://labourbureau.nic.in/indtab.html*

$V_C = 0.85 \times P_C / 100 \times R \times (C_i - C_o) / C_o$ , Where,

$V_C$ = Increase or decrease in the cost of the work during the quarter under consideration due to changes in the rates for cement;

$C_o$ = The all-India average wholesale price index [17]for cement (Ordinary Portland Cement) for the quarter preceding the date of opening of the tenders as published by the Office of Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi;

$C_i$ = The all-India average wholesale price index for cement (Ordinary Portland Cement) for the quarter under consideration as published by the Office of Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

$P_C$ = Percentage of cement component of the work

**Note: For the application of this clause index of Ordinary Portland Cement[18] has been chosen to represent Cement Group.**

Adjustment for steel component:

(iii) Price adjustment for increase or decrease in the cost of steel procured by the contractor shall be paid in accordance with the following formula.

$V_S = 0.85 \times P_S / 100 \times R \times (S_i - S_o)/S_o$ where,

$V_S$ = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for steel;

$S_o$ = The all India average wholesale price index for steel (M.S.Bars and rods) for the quarter preceding the date of opening of Bids as published by the Office of Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

$S_i$ = The all India average wholesale price index for steel (M.S. Bars and Rods) for the quarter under consideration as published by the Office of Economic Advisor, Ministry of Commerce and Industry, New Delhi

$P_S$ = Percentage of steel component of the work

**Note: For the application of this clause, index of M.S.Bars and Rods[19] has been chosen to represent steel group.**

Adjustment of Bitumen Component:

(iv) Price adjustment for increase or decrease in the cost of bitumen shall be paid in accordance with the following formula:

$V_B = 0.85 \times P_B / 100 \times R \times (B_i - B_o)/B_o$ , Where

$V_B$ = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rate for bitumen.

$B_o$ = The official retail price of bitumen at the IOC /HPCL/BPL or any other depot at ..... [20]on the day 30 days prior to the date of opening of Bids.

$B_i$ = The official retail price of bitumen at the IOC/HPCL/BPL or any other depot at ..... for the 15th day of the middle calendar month of the quarter under consideration.

$P_B$ = Percentage of bitumen component of the work.

Adjustment of Fuel and Lubricant component:

(v) Price adjustment for increase or decrease in cost of Fuel and Lubricants shall be paid in accordance with the following formula:

$V_F = 0.85 \times P_F / 100 \times R \times (F_i - F_o) / F_o$, Where,

[17] The index number are available in the web site *http://eaindustry.nic.in*

[18] This may be changed to any other type of cement depending on the nature of work.

[19] This may be changed depending on the major type of steel used depending on the nature of work

[20] Insert the nearest location of POL Depot

$V_F$ = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for Fuel and Lubricants.

$F_o$ = The official retail price of High Speed Diesel (HSD) at the IOC/HPCL/BPL or other consumer pump at BENGALURU on the day 30 days prior to the date of opening of Bids.

$F_i$ = The official retail price of HSD at the IOC/HPCL/BPL or other consumer pump at BENGALURU for the 15th day of the middle calendar month of the quarter under consideration.

$P_F$ = Percentage of Fuel and Lubricant component of the work.

**Note: For the application of this Clause the price of HSD[21] has been chosen to represent Fuel and Lubricant Group**

Adjustment for Plant and Machinery Spares Component:

(vi) Price adjustment for increase or decrease in the cost of plant and machinery spares procured by the contractor shall be paid in accordance with the following formula:

$$V_P = 0.85 \text{ X } P_P/100 \text{ X R X } (P_i - P_o)/P_o \text{ , Where}$$

$V_P$ = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for plant and machinery spares.

$P_o$ = The all India average wholesale price index for Heavy machinery and parts for the quarter preceding the date of opening of bids, as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

$P_i$ = The all India average wholesale price index for Heavy machinery and parts for the quarter under consideration as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

$P_B$ = Percentage of Plant and Machinery Spares component of the work.

**Note: For the application of this Clause index of Heavy Machinery and Parts[22] has been chosen to represent the Plant and Machinery Spares Group.**

Adjustment for Other materials.:

(vii) Price adjustment for increase or decrease in the cost of other materials other than cement, steel, bitumen and Fuel and Lubricants[23], procured by the contractor shall be paid in accordance with the following formula:

$$V_M = 0.85 \text{ X } P_M/100 \text{ X R X } (M_i - M_o)/M_o \text{ , Where}$$

$V_M$ = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for local materials other than cement, steel, bitumen and Fuel and Lubricants.

$M_o$ = The all India average wholesale price index for all commodities for the quarter preceding the date of opening of bids, as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

$M_i$ = The all India average wholesale price index for all commodities for the quarter under consideration as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

$P_M$ = Percentage of other material component (Other than cement, steel, bitumen and Fuel and Lubricants) of the work.

The following percentages will govern the price adjustment for the entire contract:[24]

1. Labour – $P_L$ -
2. Cément – $P_C$ -
3. Steel – $P_S$ -
4. Bitumen – $P_B$ -
5. Fuel and Lubricants – $P_F$[25] -
6 Plant and Machinery Spares – $P_P$[26] -
7 Other materials – $P_M$ -

[21] This could be appropriately changed to any other item depending on the nature of work.
[22] This could be appropriately changed to any other item depending on the nature of the work.
[23] Add, delete or change depending on the nature of work.
[24] The components could be added or deleted or changed depending on the nature of the work.
[25] This could vary from 5% for normal works and 10% for highly mechanized operations in the work
[26] This could vary from 15% for normal works to 30% for highly mechanized operations in the work

TOTAL -

The liquidated damages for the whole of the works are Rs.99,251/- (amount) per day[27] and that for the milestones are as under:

| | | |
|---|---|---|
| For Milestone 1: | Rs. 29,775 Per day | [41] |
| For Milestone 2: | Rs. 59,551 Per day | |
| For Milestone 3: | Rs. 89,326 Per day | |
| For Milestone 4: | Rs. 99,251 Per day | |

The maximum amount of liquidated damages for the whole of the works is Ten percent of final contract price. [41]

The amounts of the advance payment are: [42]

| Nature of Advance | Amount (Rs.) | Conditions to be fulfilled |
|---|---|---|
| 1. Mobilization | 5% of the Contract price | On submission of un-conditional Bank Guarantee.<br><br>(to be drawn before end of 20% of Contract period) |

(The advance payment will be paid to the Contractor no later than 30 days after fulfillment of the above conditions).

However, No Mobilization advance is paid in this contract

Repayment of advance payment for mobilization : [42]

The advance loan shall be repaid with percentage deductions from the interim payments certified by the Engineer under the Contract. Deductions shall commence in the next Interim Payment Certificate following that in which the total of all such payments to the Contractor has reached not less than 15 percent of the Contract Price or —— [28]months from the date of payment of first installment of advance, whichever period concludes earlier, and shall be made at the rate of 7.5% percent of the amounts of all Interim Payment Certificates until such time as the loan has been repaid, always provided that the loan shall be completely repaid prior to the expiry of the original time for completion pursuant to Clauses 17 and 26.

[29]The date by which "as-built"[30] drawings (in scale …[31]) in 2 sets are required is within 30 days of issue of certificate of completion of Whole or Section of the Work as the case may be. [48]

[32]The date by which Operating and Maintenance Manuals are required is within 30 days of issue of certificate of completion of Whole or Section of the Work as the case may be. [48]

The amount to be withheld for failing to supply "as built" drawings or supply of Operation and Maintenance Manuals by the date required is Rs.5,00,000/-
*(The amount should be sufficient to get the completion drawings or Operating and* Maintenance Manuals prepared by alternative agency in case the contractor fails to submit.) [48]

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[27] The amount is usually computed on the basis of 0.1% of the contract price per day. The amount has to be specified as a round figure nearest to the hundred.
[28] To be filled up by the Employer before issue of the tender document; say 'Three or four months'
[29] Score out which ever is not applicable.
[30] Completion drawings
[31] Specify an appropriate scale
[32] Score out which ever is not applicable.

The following events shall also be fundamental breach of the contract: [49.2]

1. The contractor has contravened Sub-clause 7.1 and Clause 9 of CC.

The percentage to apply to the value of the work not completed representing the Employer's [50.1]

Additional cost for completing the Works shall be 30 percent (30%)
*(Change if need be. It should be sufficient to get the balance of works completed by alternative agency.)*

## SECTION 7: SPECIFICATIONS

## (ENCLOSED)

## SECTION 8: DRAWINGS

## (ENCLOSED)

## SECTION 9:

## BILL OF QUANTITIES

| SL NO | DESCRIPTION OF ITEM | UNIT | QUANTITY |
|---|---|---|---|
| 1 | Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) | cum | 228.52 |
| 2 | Providing and laying in position Cement Concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 Using 20 mm nominal size graded crushed coarse aggregates | cum | 334.30 |
| 3 | Supplying at site Angle iron post & strut of required size including bottom to be split and bent at right angle in opposite direction for 10 cm length and drilling holes upto 10 mm dia. etc. complete. | Kgs | 4231.20 |
| 4 | Providing Flush/ Ruled pointing: Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineer-in-charge. | sqm | 480.50 |
| 5 | Providing and fixing G.I. chain link fabric fencing of required width in mesh size 25x25 mm made of G.I. wire of dia 3 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge. | Sqm | 484.20 |
| 6 | Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two coat applied @ 0.90 ltr/10 $m^2$ over an under coat of primer applied | Sqm | 917.00 |

| | | | |
|---|---|---|---|
| | @ 0.80 ltr/10 m² of approved brand and manufacture including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. | | |
| 7 | Providing and laying in position Cement Concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical pecifications..M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates. | cum | 15.55 |
| 8 | Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m, and lift upto 1.5 m. Including cost of all labourcomplete as per specifications | cum | 246.88 |
| 9 | Geophysical investigation at site for sinking borewells for Providing drinking water to the habitation either through the Hand Pump MWS or P.W.S.S, by vertical electrical sounding by adopting Venner or Schlumbergers's method, including reconnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instruments and accessories to work site, engaging technical personal and labour required etc. | Each | 3.00 |
| 10 | Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of | Mtr | 150.00 |

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| | compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete ) **Borewell depth of 0 to 50 m** | | |
| 11 | Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete ) **Borewell depth of 50 to 100 m** | Mtr | 150.00 |
| 12 | Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete )**Borewell depth of 100 to 150 m** | Mtr | 150.00 |
| 13 | Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete ) **Borewell depth of 150 to 200 m** | Mtr | 150.00 |
| 14 | Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete ) **Borewell depth of 200 to 250 m** | Mtr | 150.00 |
| 15 | Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & | Mtr | 150.00 |

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| | above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete ) **Borewell depth of 250 to 300 m** | | |
| 16 | Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete ) **Borewell depth of 300 to 350 m** | Mtr | 150.00 |
| 17 | Providing PVC ringtite pipes conforming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) **PVC pipes 250mm dia., 6 kg/sqcm & class 3** | Mtr | 180.00 |
| 18 | Supply of ISI mark 175mm nominal bore,plain and steel casing pipe grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest ammendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5-7m both ends.threaded conforming to IS 554-1985 one end fixed with socket conforming to IS 4270-2001 and the other end with screwed pipes all shall be responsibaly free from defects. The tubes shall be responsible straight end should be with ISI marking weighing 25.10kg/m.prices include Collar-Medium duty. | Mtr | 120.00 |
| 19 | Providing,supplying to work site, Submersible Pump Set of 150mm dia suitable for bore well and | Each | 3.00 |

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| | confirming to IS 8034-2000;3Phase, SS Bowl & Impeller with Low volt Motor as per pecifications,as per necessary ammendments and instructions of engineer incharge of work. **("12.50 HP - 135 LPM @ 210 m = 15 STG Outlet Dia - 2.00")** | | |
| 20 | Providing, Laying and Fixing GI pipes conforming to IS 1239:1990 with latest amendments complete with GI fittings (excluding the cost of fittings) with cuts and threads wherever necessary, including testing for water tightness, with all lead and commissioning. (contractor will make his own arrangements for procuring water for testing) Medium Duty GI pipe of 50mm dia | Mtr | 990.00 |
| 21 | Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to13:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100 V as per IS-694:1990. 3CX4.0 sq.mm | RMtr | 1980.00 |
| 22 | Gunmetal non-return valve-vertical (screwed end) 50 mm dia. | Each | 3.00 |
| 23 | Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) 50mm Nominal Bore : | Each | 3.00 |
| 24 | Supply and delivery at site wrought middle steel (galvanized) GI elbow confirming to IS 1239-II, 1991 with latest amendments if any for 50mm dia GI elbow | Nos | 3.00 |
| 25 | Supply and delivery at site wrought middle steel (galvanized) GI hexagonal nipple confirming to IS 1239-II, 1991 with latest amendments if any.For 50mm dia GI Hexagonal Nipple | Nos | 3.00 |
| 26 | Providing wrought mild steel (galvanized) GI collar confirming to IS 1239-II, 1991 with latest amendments if any.. For 50 mm dia GI collar: | Nos | 165.00 |
| 27 | Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws.20"x20"x2.5", | Nos | 3.00 |
| 28 | Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.50-63 A DP | Nos | 3.00 |
| 29 | Supplying of TPST with rewirable porcelain channels in SM encloser made out of 14 SWG powder coated point of approved colour 32 amps | Nos | 3.00 |

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| 30 | Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 230/440VAC. 50 Hz 12/24V D.C. | Nos | 3.00 |
| 31 | Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 V 3 phase and wired after fixing to the existing wooden board for motor. upto 12.5HP | Nos | 3.00 |
| 32 | Supplying and fixing single phase preventer using necessary wires over an existing panel board suitable for motor upto 20 HP capacities. | Nos | 3.00 |
| 33 | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:2010 confirming to latest amendments. I Group A 4sqmm | Mtr | 45.00 |
| 34 | Supplying, fixing and wiring heavy duty low voltage capacitors conforming to IS 2834. 3 phase, 400/440 V grade, for power factor improvement of rotating machineries like induction motor | KVAR | 6.00 |
| 35 | Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia. | job | 3.00 |
| 36 | Earth work excavation for **pipeline** trenches in all kinds of soils by mechanical means as per drawing and technical specifications, including setting out, construction of shoring, strutting, barricading, caution lights, bracing, using sight rails & bonding rods at every 100 mm wherever necessary as directed, removal of stumps and other deleterious matter, dressing of sides and levelling the bottom of trench to the extent required , utilising the available excavated earth locally for the work etc., and all other appurtenances complete in the following strata.All kinds of soils. Depth upto 1.50 m | cum | 15.19 |
| 37 | 1.1 kV, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath Armoured LTUG Cable as per IS-1554 (Part 1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-3975 6sqmm,2 core(24 GI Wire-1.4mm) | Km | 0.08 |
| 38 | Supplying heavy gauge PVC Conduit Pipe .... dia ..... mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering upto the wall surface | mtr | 75.00 |

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| | and run with 18 SWG GI fish wire run throughout the conduit wherever necessary 32 mm dia 2.5 mm thick | | |
| 39 | Providing, Laying and Fixing GI pipes conforming to IS 1239:1990 with latest amendments complete with GI fittings (excluding the cost of fittings) with cuts and threads wherever necessary, including testing for water tightness, with all lead and commissioning. (contractor will make his own arrangements for procuring water for testing) For Medium Duty GI pipe:: Medium Duty GI pipe of 25mm dia | mtr | 45.00 |
| 40 | Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 63 amps | Nos | 3.00 |
| 41 | Earth work excavation for pipeline trenches by mechanical means as per drawing and technical specifications, including setting out, construction of shoring, strutting, barricading, caution lights, bracing, using sight rails & bonding rods at every 100 mm wherever necessary as directed, removal of stumps and other deleterious matter, dressing of sides and levelling the bottom of trench to the extent required , utilising the available excavated earth locally for the work and all other appurtenances to complete in the following strata.. Ordinary/soft rock (without requiring blasting) Depth upto 1.50 m | Cum | 337.50 |
| 42 | Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (external work ) - 50mm nominal OD pipes | Mtr | 1050.00 |
| 43 | Providing and fixing normal gauge polythene pipes of approved quality with special flange pression type fittings of approved make including trench excavation and refilling etc. for EXTERNAL WORKS with: 50mm nominal bore pipes. | Mtr | 1550.00 |
| 44 | Providing and fixing Brass full way valve gate with C.I. wheel of approved quality (screwed end) 65 mm nominal bore | Each | 296.00 |
| 45 | Providing and fixing brass stop cock of approved quality :15mm Nominal Bore | Each | 296.00 |
| 46 | Providing and fixing Mangalore tile roofing using first class tiles with necessary special tiles for ridges and hips, wood reepers and pointed with cement mortar 1:4 over the existing rafters including cost of materials, labour, curing complete as per specifications Nandi wood reepers of size 50x25mmm | Sqm | 124.80 |

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| 47 | Providing, laying & fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. | Sqm | 73.80 |
| 48 | Supplying, fitting and placing TMT FE 550 / 550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening,cutting,bending,hooking,laping/welding joints, tying with binding wire / soft annealed steel wire and other ancilary operations complete as per drawing and technical specification.Buildings | T | 1.40 |
| 49 | Providing and fixing PTMT bib cock of approved quality and colour. 20 mm nominal bore, 89 mm long,weighing not less than 88 g | Nos | 40.00 |
| 50 | Providing and Placing on terrace (at all floor levels) polyethene water storage tanks, IS:12701 Marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fitting and the base support for tank | Ltrs | 14000.00 |
| 51 | Fabricating, providing and erecting in position Hot dip galvanised Gate. Using 72 * 2 * 4mm SQ.GI Poe frame with top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised sq. rod for verticals at 150mm dc, as shown in the drawing including providing hot dip galvanised farged ornamental design in between sq rods and heads at top, middle and bottom Intermediate supports of 75x12mm and 50 x 6mm arch bent to hot dip galvanised fats. the work is inclusive of throughing Gl. Mat GI sq. rods, placing, welding all the joints including grinding, finishing metal patty, painting two coats enamel painting. The rate is inclusive of all materials like Gł sq. pipe, Gl. Sq. rods, Gt forged designs etc., heavy duty hinges are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each flop. Heavy duty locking arrangements at low places including cost of labour, painting, erecting charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions at the Engineer-in- charge of the work. | Sqm | 52.54 |
| 52 | Applying priming coat: With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works | sqm | 756.00 |

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| | including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. | | |
| 53 | Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work.In all kinds of soils upto 300 mm depth | Cum | 6549.34 |
| 54 | Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401. Granular Sub-Base Plant Mix Method. Material | Cum | 111.75 |
| 55 | Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14- days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete. as per the directions of the Engineer-in-charge of the work. | Cum | 130.50 |
| 56 | Supply of Material component Burnt stone slabs 10cms thick. | Sqm | 1332.80 |
| 57 | Supplying of Red soil (New Earth | Cum | 937.50 |

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| | Filling):Supplying of Good quality Red soil for Gardening and Growing of plants shrubs etc.,including the %weightage given to B.B.M.P.area | | |
| 58 | Sprinkler system:providing and Fixing of sprinkler system with in the site by using 25mm/10kg, 40mm/6kg good quality PVC pipes ,ISI marked sprinklers,controle valves and fittings etc.,Including excavation and backfilling trenches (Excluding of providing borewell ,Electrification and Pump),As per the specification and direction of the concerned officer.Rates may be quoted as per data rate specific to the field condition | Each | 330.00 |
| 59 | Palnting of Trees a.)digging of pits of size 0.75mX0.75mX0.75m and Filling up to 50% of the pits top excavated soil and Remaining 50% with sand (0.035cum),Fym(0.070cum),Red earth(0.021 cum)(i.e in the proportion of 1:2:3 & planting with well established plants.exclusive of cost of plants & inclusive of ingredients | Each | 2050.00 |
| 60 | Palnting of Trees a.)Cost of the plant 5' to 10' hieght | Each | 2150.00 |
| 61 | Shrubs in Groups: Developing the area of Shrubs by digging of pits of size 0.45m and Filling up to 50% of the pits top excavated soil and Remaining 50% withmixture of sand (0.0375cum),Fym(0.075cum),Red earth(0.021 cum) (i.e in the proportion of 1:2:3 & planting with well established plants(8 plants per sqm).exclusive of cost of plants & inclusive of ingredients | Sqm | 1980.00 |
| 62 | Palnting of Shrubs ( b) Cost of the plant(8 plants per sqm) (Including Transportation and Handling charges) | Sqm | 1960.00 |
| 63 | SITE/JUNGLE CLEARENCE: Cutting and clearing thin jungle including removal of roots with a intitial lead of 50 m and life of 1.50 m and General Cleaning: Removal of dried leaves, solid waste and cleaning of the area | Sqm | 27424.00 |
| 64 | Developing hedges by digging trenches of size 0.45mx0.45m,filling 50% of the trench with excavated top soil and remaining 50% with the mixture of sand (0.0112 Cum), FYM (0.0224Cum) (i.e. in the proportion of 1:2:3) Exclusive of cost plants and inclusive ingredients. and Cost of Plants | RMtr | 1010.00 |
| 65 | Developing Lawn of Korean Grass Turf | Sqm | 3400.00 |
| 66 | Digging pits size 0.75m x 0.75m x 0.75 filling up to 50% the pits with top excavated soil and remaining 50% with sand, Fym, Red earth (0,021 Cum) (i.e. in the proportion of 1:2:3) and planting of Howea Fosteriana (Kentia Palm) (50cm-60cm ht).(Including cost of plant, materials, transporation and handling & planting Cost) | Each | 65.00 |
| 67 | Digging pits size 0.75m x 0.75m x 0.75 filling up to | Each | 65.00 |

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| | 50% the pits with top excavated soil and remaining 50% with sand, Fym, Red earth (0,021 Cum) (i.e. in the proportion of 1:2:3) and planting of Roystonea Regia (180cm-240cm ht)(Royal Palm) Including cost of plant, materials, transporation and handling & planting Cost) | | |
| 68 | Digging pits size 0.75m x 0.75m x 0.75 filling up to 50% the pits with top excavated soil and remaining 50% with sand, Fym. Red earth (0,021 Cum) (i.e. in the proportion of 1:2:3) and planting of Caryota Urens (240cm - 300cm ht) (Fish Tail Palm) Including cost of plant, materials, transporation and handling & planting Cost) | Each | 65.00 |
| 69 | Digging pits size 0.75m x 0.75m x 0.75 filling up to 50% the pits with top excavated soil and remaining 50% with sand, Fym. Red earth (0,021 Cum) (i.e. in the proportion of 1:2:3) and planting of Livistona Chinensis (90cm ht) Including cost of plant, materials, transporation and handling & planting Cost) | Each | 65.00 |
| 70 | Digging pits size 0.75m x 0.75m x 0.75 filling up to 50% the pits with top excavated soil and remaining 50% with sand, Fym, Red earth (0,021 Cum) (i.e. in the proportion of 1:2:3) and planting of Chrysalidocarpus Lutecens (120cm - 180cm ht)Including cost of plant, materials, transporation and handling & planting Cost) | Each | 65.00 |
| 71 | Digging pits size 0.75m x 0.75m x 0.75 filling up to 50% the pits with top excavated soil and remaining 50% with sand, Fym, Red earth (0,021 Cum) (i.e. in the proportion of 1:2:3) and planting of Rapis Excelsa (90cm - 1200cm ht) Including cost of plant, materials, transporation and handling & planting Cost) | Each | 65.00 |
| 72 | Digging pits size 0.75m x 0.75m x 0.75 filling up to 50% the pits with top excavated soil and remaining 50% with sand, Fym, Red earth (0,021 Cum) (i.e. in the proportion of 1:2:3) and planting of Cycas Revoluta Plant 60 cm dia 60 cm ht.(Including cost of plant, materials, transporation and handling & planting Cost) | Each | 65.00 |
| 73 | Digging pits size 0.75m x 0.75m x 0.75 filling up to 50% the pits with top excavated soil and remaining 50% with sand, Fym,Red earth (0,021 Cum) (i.e. in the proportion of 1:2:3) and planting of Ficus Benjimina Prestige (90cm - 150cm ht) / Ficus Benjimina starlight( 90cm - 150cm ht) Ficus Benjimina Black( 90cm - 150cmm ht) / Ficus Nuda/mini luccii (90cm 150cm ht) Ficus Panda (90cm- 150cmm ht) Ficus traingularis Including cost of plant, materials,transporation and handling & planting Cost) | Each | 65.00 |
| 74 | Digging pits size 0.75m x 0.75m x 0.75 filling up to | Each | 65.00 |

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| | 50% the pits with top excavated soil and remaining 50% with sand, Fym, Red earth (0,021 Cum) (i.e. in the proportion of 1:2:3) and planting of Yucca Species silver / Filimentosa Marginata(Golden) (90cm-150cm ht) Including cost of plant, materials, transporation and handling & planting Cost) | | |
| 75 | Digging pits size 0.75m x 0.75m x 0.75 filling up to 50% the pits with top excavated soil and remaining 50% with sand, Fym, Red earth (0,021 Cum) (i.e. in the proportion of 1:2:3) and planting of Nolina recurvata (Elephant foot)(90cm- 150cm ht) Including cost of plant, materials, transporation and handling & planting Cost) | Each | 65.00 |
| 76 | Digging pits size 0.75m x 0.75m x 0.75 filling up to 50% the pits with top excavated soil and remaining 50% with sand, Fym, Red earth (0,021 Cum) (i.e. in the proportion of 1:2:3) and planting of Plumeria Alba / Rubra ( 150cm 240cm ht) Pulmeria Rubra (150cm-240cm ht) Including cost of plant,materials, transporation and handling & planting Cost) | Each | 65.00 |
| 77 | Digging pits size 0.75m x 0.75m x 0.75 filling up to 50% the pits with top excavated soil and remaining 50% with sand, Fym,Red earth (0,021 Cum) (i.e. in the proportion of 1:2:3) and planting of Plumeria Pudica (150cm -240cm ht) Including cost of plant, materials, transporation and handling & planting Cost) | Each | 65.00 |
| 78 | Digging pits size 0.75m x 0.75m x 0.75 filling up to 50% the pits with top excavated soil and remaining 50% with sand, Fym.Red earth (0,021 Cum) (i.e. in the proportion of 1:2:3) and planting of Cyperus Involucratus (Umbrella Palm) Including cost of plant, materials, transporation and handling & planting Cost) | Each | 65.00 |
| 79 | Digging pits size 0.75m x 0.75m x 0.75 filling up to 50% the pits with top excavated soil and remaining 50% with sand, Fym, Red earth (0,021 Cum) (i.e. in the proportion of 1:2:3) and planting of Woodyetia Bifurcata (Fox Tail Palm-120-150cm height) Including cost of plant, materials, transporation and handling & planting Cost) | Each | 65.00 |
| 80 | Digging pits size 0.75m x 0.75m x 0.75 filling up to 50% the pits with top excavated soil and remaining 50% with sand, Fym,Red earth (0,021 Cum) (i.e. in the proportion of 1:2:3) and planting of Golden Cyprus (90 - 120 cm ht) Including cost of plant, materials, transporation and handling & planting Cost) | Each | 65.00 |
| 81 | Digging pits size 0.75m x 0.75m x 0.75 filling up to 50% the pits with top excavated soil and remaining 50% with sand, Fym,Red earth (0.021 Cum) (i.e. in the proportion of 1:2:3) and planting of Bambusa Ventricosa (90 - 120 cm ht) Including cost of plant, materials, transporation and handling & planting | Each | 65.00 |

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| | Cost) | | |
| 82 | Digging pits size 0.75m x 0.75m x 0.75 filling up to 50% the pits with top excavated soil and remaining 50% with sand, Fym,Red earth (0,021 Cum) (i.e. in the proportion of 1:2:3) and planting of Bambusa Vulgaris (150cm-240cm ht) Including cost of plant, materials, transporation and handling & planting Cost) | Each | 65.00 |
| 83 | Digging pits size 0.75m x 0.75m x 0.75 filling up to 50% the pits with top excavated soil and remaining 50% with sand, Fym,Red earth (0,021 Cum) (i.e. in the proportion of 1:2:3) and planting of Bamboo Varigated (120cm - 150cm ht) Including cost of plant, materials, transporation and handling & planting Cost) | Each | 65.00 |
| 84 | Digging pits size 0.75m x 0.75m x 0.75 filling up to 50% the pits with top excavated soil and remaining 50% with sand, Fym,Red earth (0,021 Cum) (i.e. in the proportion of 1:2:3) and planting of Adenium Obesum (60cm - 90cm ht) Including cost of plant, materials, transporation and handling & planting Cost) | Each | 65.00 |
| 85 | Digging pits size 0.75m x 0.75m x 0.75 filling up to 50% the pits with top excavated soil and remaining 50% with sand, Fym.Red earth (0,021 Cum) (i.e. in the proportion of 1:2:3) and planting of latania rubra(120cm - 150cm ht)) Including cost of plant, materials, transporation and handling & planting Cost) | Each | 65.00 |
| 86 | Digging pits size 0.75m x 0.75m x 0.75 filling up to 50% the pits with top excavated soil and remaining 50% with sand, Fym,Red earth (0,021 Cum) (i.e. in the proportion of 1:2:3) and planting of syzygium campanulatum (120cm - 150cm ht)Including cost of plant, materials, transporation and handling & planting Cost) | Each | 65.00 |
| 87 | Digging pits size 0.75m x 0.75m x 0.75 filling up to 50% the pits with top excavated soil and remaining 50% with sand, Fym.Red earth (0,021 Cum) (i.e. in the proportion of 1:2:3) and planting of Alpinia purpurata(60 to 90 cm Ht) Including cost of plant, materials, transporation and handling & planting Cost) | Each | 65.00 |
| 88 | Digging pits size 0.75m x 0.75m x 0.75 filling up to 50% the pits with top excavated soil and remaining 50% with sand, Fym,Red earth (0,021 Cum) (i.e. in the proportion of 1:2:3) and planting of philodendron xanadusilver(45-60) Including cost of plant, materials, transporation and handling & planting Cost) | Each | 65.00 |
| 89 | Digging pits size 0.75m x 0.75m x 0.75 filling up to 50% the pits with top excavated soil and remaining 50% with sand, Fym,Red earth (0,021 Cum) (i.e. in | Each | 65.00 |

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| | the proportion of 1:2:3) and planting of Brassaia actinophylla (150 cmm -210 cm Including cost of plant, materials, transporation and handling & planting Cost) | | |
| 90 | Digging pits size 0.75m x 0.75m x 0.75 filling up to 50% the pits with top excavated soil and remaining 50% with sand, Fym,Red earth (0,021 Cum) (i.c. in the proportion of 1:2:3) and planting of Terminalia mantaly-(150 cm -210 cm Including cost of plant, materials, transporation and handling & planting Cost) | Each | 65.00 |
| 91 | Digging pits size 0.75m x 0.75m x 0.75 filling up to 50% the pits with top excavated soil and remaining 50% with sand, Fym,Red earth (0,021 Cum) (i.e. in the proportion of 1:2:3) and planting of Strelitzia reginae (Bird of Paradise) (60 to 90cm)Including cost of plant, materials, transporation and handling & planting Cost) | Each | 65.00 |
| 92 | Digging pits size 0.75m x 0.75m x 0.75 filling up to 50% the pits with top excavated soil and remaining 50% with sand, Fym,Red earth (0,021 Cum) (i.e. in the proportion of 1:2:3) and planting of Plumeria singaporensis dwarf (60 to 90cm)Including cost of plant, materials, transporation and handling & planting Cost) | Each | 65.00 |
| 93 | Providing and fixing polished grey granite slab benches of size 5-ft width of seating slab with bottom slab of 75mm thick with 1.50 ft. with, back rest slab of 50mm thick with 1.50 ft. depth; side and slab of 100mm thick 2.50 ft height including bull nosing of all indges including fixing in CC 1:2:4 including loading and unloading and with all lead and lift etc., complete and executing the work as per the directions of the Engineer in charge of the work | Nos | 50.00 |
| 94 | PARGOLA: made by Sadarohally Grey Stone-Circle stone neatly carved 5'line finishing with Arch Designer. 168''X 12'' 12''- 4 Pillar -144" X 12"X12"- 2 pillar 144"X6"X6"'5 pillar | Nos | 4.00 |
| 95 | Deer and Baby Deer of size 2'6"x3' This is made out of cement, Steel, Bricks. Jelly, Mesh and River Sand. This Deer and baby deer will be beautifully decorated. Then the deer and baby deer shall be painted first primer coal and than with Appex, Acrylic paint to with prevent it from Chipping off due to extreme heat in Summer and rain in winter season and bring an Artistic louch to the deer as per the photograph attached | Nos | 2.00 |
| 96 | Rhinoceros 6 widthx4 height". This is made out of cement concrete using ordinary Portland cement and river sand with 20mm downsize aggregates. Then this Rhinoceros are painted with UV protected acrylic paint of suitable color with artistic louch as per the phograph attached | Nos | 2.00 |

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| | (Approved Copy Attached) | | |
| 97 | Giraffe and baby giralle of size Mother giraffe of 14 and Baby giraffe of 8' This is made out of cement concrete using ordinary Portland cement and river sand with 20mm downsize aggregates Then this Giraffe are painted with UV protected acrylic paint of suitable color wch artistic touch as per the phograph | Nos | 2.00 |
| 98 | Supplying And Fixing M.S. Rafter Clamp Set made out of M.S. Flat & 14 mm M.S. rod. | Nos | 14.00 |
| 99 | Supplying and fixing M15 grade precast cement concrete Kerb stones for Roadway, Sidewalls and gutters fixed with CM 1:3 fixed and finsihed in line as per direction of Engineer in charge. (The cost of PCC shall be paid extra) 600x300x150mm size | Nos | 2808.00 |
| 100 | Construction of Embankment by excavating the available approved Gravel/ Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water,all materials,usage& all other appurtenaces required to complete the work If the height of embankment construction is more than 1.50 m add 5% per $m^3$ for every 1.50 m height or part there of Deduct 5% per $m^3$ if rollers are not used and tamping is done manually Add 8% per $m^3$ for works under foul & sullage situation | Cum | 738.00 |
| 101 | Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :Two coats on new work after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. | sqm | 982.80 |
| 102 | Providing and fixing Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished seamless type tubes including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge | kg | 13676.06 |
| 103 | Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20 mm dia 2 mm thick thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and | Mtr | 750.00 |

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| | running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary | | |
| 104 | Concealed Conduit System Supplying heavy gauge PVC conduit pipe 25 mm dia 2 mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary (Page No. 2, Sl No. 1.2.2 of ELE S.R 2023-24). | Mtr | 750.00 |
| 105 | Supplying heavy gauge PVC Conduit Pipe 25 mm dia 2 mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. (Page No. 2, Sl No. 1.3.2 of ELE S.R 2023-24). | Mtr | 700.00 |
| 106 | Supplying And Fixing M.S. Rafter Clamp Set made out of M.S. Flat & 14 mm M.S. rod. (Page No. 2, Sl No. 1.12 of ELE S.R 2023-24). | Nos | 110.00 |
| 107 | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS- 694:confirming to latest amendments. 1.0Sqmm (Page No. 5, Sl No. 2.3.1 of ELE S.R 2021-22). | Mtr | 3300.00 |
| 108 | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS- 694:confirming to latest amendments. 1.5Sqmm (Page No. 5, Sl No. 2.3.2 of ELE S.R 2023-24). | Mtr | 3450.00 |
| 109 | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 2.5Sqmm (Page No. 5, Sl No. 2.3.3 of ELE S.R 2023-24). | Mtr | 1950.00 |

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| 110 | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 4 Sqmm (Page No. 5, Sl No. 2.3.4 of ELE S.R 2023-24). | Mtr | 1200.00 |
| 111 | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 6Sqmm (Page No. 5, Sl No. 2.3.5 of ELE S.R 2023-24). | Mtr | 500.00 |
| 112 | Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 1-3Way(Page No. 8, Sl No. 3.4.1 of ELE S.R 2023-24). | Each | 13.00 |
| 113 | Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 6Way (Page No. 8, Sl No. 3.4.3 of ELE S.R 2023-24). | Each | 10.00 |
| 114 | Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 8Way (Page No. 8, Sl No. 3.4.4 of ELE S.R 2023-24). | Each | 10.00 |
| 115 | Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 1 to 3 Module (Page No. 8, Sl No. 3.5.1 of ELE S.R 2023-24). | Each | 16.00 |
| 116 | Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 6 Module (Page No. 8, Sl No. 3.5.3 of ELE S.R 2023-24). | Each | 8.00 |
| 117 | Supplying and fixing superior quality modular switch mounting polycarbonate plate | Each | 5.00 |

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| | with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 6 Module (Page No. 8, Sl No. 3.5.4 of ELE S.R 2023-24). | | |
| 118 | Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. 6Amps one way Switch (Page No. 9, Sl No. 3.6.1 of ELE S.R 2023-24). | Each | 9.00 |
| 119 | Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. 6Amps two way Switch | Each | 7.00 |
| 120 | Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. Stepped Fan Regulator Two Module (Page No.9, Sl No. 3.6.4 of ELE S.R 2023-24). | Each | 5.00 |
| 121 | Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. 16Amps one way switch (Page No. 9, Sl No. 3.6.8 of ELE S.R 2023-24). | Each | 20.00 |
| 122 | Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. 32Amps DP switch (Page No. 9, Sl No. 3.6.9 of ELE S.R 2023-24). | Each | 20.00 |
| 123 | Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. 6/16Amps universal socket (Page No. 9, Sl No. 3.6.10 of ELE S.R 2023-24). | Each | 7.00 |
| 124 | Supplying of recess mounting non integrated type LED down light 15-18W luminaire comprising of pressure decast/ extruded aluminium housing, with spring loaded false ceiling clA, LED of Power/COB with CCT 6500 degree K, CRI> 70%. efficacy >100 lumen per W, 120degree beam spread, life> 25000 burning hours and Compliance to IS10322/IEC 60598, LM 79 & LM 80. The lamp compartment is enclosed with anti glare opal diffuser which enhances the lighting level. LED's are driven by HF electronic driver integrated in a separate control gear assembly., with PF > 0.95, power loss should< 5% of lamp Wage, short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM 79. The | Each | 35.00 |

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| | operating input voltage should be between 130 to 275 V. BIS Approved and Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition. (Page No. 44, Sl No. 11.4.3 of ELE S.R 2023-24). | | |
| 125 | Fixing all types and all capacities of 1'x4' / 2'x2' LED Light fittings indoor on the wall / ceiling / rafters / girders with necessary supporting frame, using 23/0.0076” twin twisted PVC insulated wires, required Nos of round blocks and clamps. (Page No. 47, Sl No. 13.19 of ELE S.R 2023-24). | Each | 35.00 |
| 126 | Fabricating supplying and mounting MS box made out 14 SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete. | Sqcm | 35000.00 |
| 127 | Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat 40x40x6m with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. (Page No. 20, Sl No. 5.41.1 of ELE S.R 2023-24. | Mtr | 7.00 |
| 128 | Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat 50x50x6mm with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint.(Page No. 20, Sl No. 5.41.2 of ELE S.R 2023-24). | Mtr | 9.00 |
| 129 | Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuitwith adjustable thermal magnetic release, Micro processor release shall have Earth Fault as per IS/IEC 60947-2 . (Icu=100% lcs). In 4P MCCB, all Poles should have protection for Short-Cicrcuit/Over Load. For Microprocessor MCCBS Facility for segregating Priority and Non-Priority loads must be available in the MCCB. MCCB shall be provided with double insulation (insulation between front cover and | Each | 2.00 |

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| | internal power circuits to avoid any accidental contact with live current carrying path with the front cover open). Multi-pole breakers shall be designed to break all the poles simultaneously and they shall have a single mechanism. 100 A 25 kA (Page No. 17, Sl No. 5.15 of ELE S.R 2023-24). | | |
| 130 | Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 230/440v A.C. 50 Hz 12/24v D.C.(Page No. 19, Sl No. 5.38 of ELE S.R 2023-24). | Each | 2.00 |
| 131 | Supplying, fixing and wiring 3 Phase Digital Ammeter / Voltmeter(Page No. 19, Sl No. 5.29 of ELE S.R2023-24). | Each | 2.00 |
| 132 | Supplying, fixing and wiring rotary selector switch suitable for Voltmeter. (Page No. 19, Sl No. 5.28 of ELE S.R 2023-24). | Each | 2.00 |
| 133 | Supplying, fixing and wiring rotary selector switch suitable for Ammeter. (Page No. 19, Sl No. 5.27 of ELE S.R 2023-24). | Each | 2.00 |
| 134 | Supplying of multi function digital meter with three line back light LCD type display for voltage, Current,frequency, Power, power factor, KVA, KWH, KVAR suitable for 3 phase, 4 wire LT network with IP 54 degree of protection and completely wired as required with communication Port and Class 0.5s accuracy. (Page No. 19, Sl No. 5.33 of ELE S.R 2023-24). | Each | 2.00 |
| 135 | Supplying 250Amps 4x30x10mm Aluminium Strips rated 3phase with neutral bus bar using required capacity electrolytic aluminium strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/DMC insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete. (Page No. 20, Sl No. 5.40.2 of ELE S.R 2023-24). | Mtr | 2.00 |
| 136 | Supplying 100Amps 4x30x6mm Aluminium Strips rated 3phase with neutral bus bar using required capacity electrolytic aluminium strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/DMC insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing | Mtr | 2.00 |

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| | cables as per IS specification with necessary bolts, nuts and washers etc., complete. (Page No. 20, Sl No. 5.40.1 of ELE S.R 2023-24). | | |
| 137 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6-32Amps SP (Page No. 17, Sl No. 5.18.1 of ELE S.R 2023-24). | Each | 2.00 |
| 138 | GI Pipe B - Class as per IS-1239 GI Pipe - 20 mm Dia Part-III, 11Kv Material, P.No-16 SI.No-406, It.No-49.01 Bescom SR 2021-22 | Nos | 2.00 |
| 139 | GI Grounding pipe, B - Class, 42 mm dia, 2.5 Mtr long, 3.2 mm thick with bolt, nut, GI Strips and washer complete Minimum Weight of GI Pipe: 7.3 Kg (Page No. 22, Sl No. 389, It.No-51.01 of ELE S.R 2023-24). | Nos | 2.00 |
| 140 | Good Quality well burnt Charcoal for grounding purposes packed in non returnable gunny bag of 30 Kg each (Page No. 22, Sl No. 390, It.No-51.02 of ELE S.R 2023-24). | Nos | 2.00 |
| 141 | Good Quality Salt for grounding purposes packed in 50 Kg gunny bag (Page No. 22, Sl No. 391, It.No-51.03 of ELE S.R 2023-24). | Nos | 2.00 |
| 142 | Rod Earthing: Rod type of earthing using 40 mm Dia, 3 Mtr long MS rod as ground rod, in earth pit of 300 mm width and 3300 mm depth and using 50x6 mm flat welded to ground rod as terminal & connected to equipment ground terminal using PVC Al wire as specified Part-III, 11Kv Material, P.No-17 SI.No-442, It.No-54.04 Bescom SR 2021-22 | Nos | 2.00 |
| 143 | Bentonite clay slurry for earthing in 50 Kg Bag (Page No. 23, Sl No. 393, It.No-51.05 of ELE S.R 2023-24). | Nos | 2.00 |
| 144 | 1.1 kV, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath Armoured LTUG Cable as per IS-1554 (Part- 1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-3975 25 Sqmm, 3.5 Core, (12 GI Strips - 4 x 0.8 mm) (Page No. 13, Sl No. 203, It.No-32.07 of ELE S.R 2023-24). | Nos | 0.20 |
| 14 | Supply, installation, testing and commissioning | Nos | 0.20 |

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| 5 | electrically driven Terrance pump of capacity 900.0 Lpm at 35.0m Head bronze impeller pump coupled to electrical driven motor with suitable HP with all the necessary accessories, operating on 3Ph 50Hz, 400/440V AC supply including required foundation for pump, anti vibration pad, founadtion bolts etc. complete. Including cost of materials, labour, usage charges of machinery complete as per specifications and control panel is not included. Required GA drawingfor the pump/ foundation shall be submitted by the contractor. (PART-III, Page No. 86, Sl No. 15.77, of ELE C.S.R 2023-24). | | |
| 146 | Labour Charge for Laying of cable in Existing Trench/GI pipe/Stone Ware/RCC Hume pipe using Wooden/Aluminum Rollers as directed by the departmental staff 2.5 to 25 Sqmm (Page No. 52, Sl No. 174, It.No-21.05 of ELE C.S.R 2023-24). | Km | 0.20 |
| 147 | Transporting Cable from Store to work spot including loading and unloading (including Crane and other equipment charges if any) LT Cable 2.5 to 25 Sqmm (Single/3.5/4 Core) (Page No. 52, Sl No. 167, It.No-20.05 of ELE C.S.R 2023-24). | km | 0.20 |
| 148 | Dismantling of Flexible pavements and disposal of dismantled materials and stacking serviceable and unserviceable materials separately By Manual Means Bituminous course (Page No. 11, Sl.No. 2.18 I) A) of KPWD S.R 2023-24). Volume 3 | cum | 15.00 |
| 149 | Earth work excavation for pipelines/cables by Manual means upto 600 mm trench width, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, including dressing of excavated surfaces, disposing off or leveling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m. Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering and lift upto 1.5 m including cost of labour, tools, usage& other appurtenances required to complete the work. In all kinds of soils. Depth upto 1.50m (Page No. 6, I.No. 1.6.1 of KPWD S.R 2023-24). Volume 1 | cum | 120.00 |
| 150 | Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m, and lift upto 1.5 m. | cum | 120.00 |

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| | Including cost of all labour complete as per specifications (Page No. 7, I.No. 1.10 of KPWD S.R 2023-24). Volume 1 | | |

**The contractor has to quote for each item of work in Bill of quantities made available in e-procurement portal**

**Note:**

(1) Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities (refer: ITB Clause 11.2 and CC Clause 37.2).

(2) Unit rates and prices shall be quoted by the Tenderer in Indian Rupees.

(3) Where there is a discrepancy between the rate in figures and words, the lower of the two will govern. [ITT Clause 24.1(a)]

(4) Where there is a discrepancy between the unit rate and the line-item total resulting from multiplying the unit rate by quantity, the unit rate quoted shall govern [ITT Clause 24.1 (b)]

## SECTION-10:

## FORMAT OF BANK GUARANTEE FOR SECURITY DEPOSIT

To: ..... *[name of Employer]*
..... *[address of Employer]*

WHEREAS ..... *[name and address of Contractor]* (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. ..... dated: ..... to execute ..... *[name of Contract and brief description of Works]* (hereinafter called "the Contract");

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of Rs. ..... *[amount of guarantee]* [33]_Rupees..... *[in words]*, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of ..... *[amount of guarantee]*[34] as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

[33] An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract

[34] An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until 30 days from the date of expiry of the Defects Liability Period.

Signature and seal of the guarantor _____
Name of Bank _____
Address _____
Date _____